

PROPERTY OF
EXTENSION SERVICE
OF SOUTH CAROLINA

ANNUAL REPORT

COUNTY AGENT WORK

LEE

County

SOUTH CAROLINA

1948

W. L. BRYANT

County Agent

V. F. LINDER

Assistant County Agent

Assistant County Agent

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF COUNTY AGENT'S WORK

LEE COUNTY, SOUTH CAROLINA

1948

W. L. BRYANT, COUNTY AGENT

V. F. LINDER, ASSISTANT COUNTY AGENT

* * * * *

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

CLEMSON AGRICULTURAL COLLEGE AND THE

UNITED STATES DEPARTMENT OF

AGRICULTURE COOPERATING

EXTENSION SERVICE

D. W. WATKINS, DIRECTOR

CLEMSON, SOUTH CAROLINA

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

General Activities

1. Days agents spent in office.....	171
2. Days agents spent in field.....	428
3. Days agents worked.....	599
4. Miles agents traveled.....	19531
5. Farm visits.....	1548
6. Different farm visited.....	703
7. Office calls at agents' office.....	3029
8. Telephone calls at agents' office.....	2282
9. Meetings held or attended.....	263
10. Attendance at these meetings.....	14514
11. Number communities in which extension program was conducted	27
12. Number farms conducting demonstrations.....	78
13. Number voluntary community leaders assisting with program..	113

PROJECT ACTIVITIES AND RESULTS

1948 Agricultural ProgramFood & Feed Production & Conservation Program

The Food & Feed Production & Conservation Program carried out in Lee County in 1948 was planned to provide more income and better farm living for the people of Lee County and a surplus for others. Emphasis was placed on the accomplishment of this goal through the application of the of the 14 points propounded in the State-wide 14-Point Agricultural Program. Special emphasis was placed on soil-building and the planting of increased acreage in food and feed crops, especially grain for food and grazing for livestock and poultry. More diversification has been brought about by the application of this program.

This program has been featured in news articles, news letters, public meetings, personal visits, 4-H clubs and adult method and result demonstrations.

The 1948 Program has been planned and furthered by the agricultural leaders of the county to meet present demands and conditions.

Agricultural Economics

One county-wide and 4 community Outlook meetings were held with an attendance of 351 farmers and farm leaders. One farm and home account record was completed. Gave advice and worked closely with 6 landlord-tenant relationship projects conducted in the county. Cooperated with Farm Credit agencies. 66 meetings on agricultural planning with 4,632 attending was held.

Lee County farm families borrowed through the Production Credit more money for the 1948 crop than any year since this source of operating capital has been available to them. Loans were made by the Sumter and Hartsville Production Credit Associations. Retirement of these loans have been above expectations.

Most farmers are seeking advice and making plans for a more diversified type of farming; this attitude being more or less forced upon them by the still acute labor shortage, high cost of available labor, mechanized farming, agricultural education, good prices and marketing outlets.

Agricultural Engineering

Farm building plans were furnished for 118 farm buildings and 121 items of farm equipment. Assistance and advice were given as follows: 3 farmers in erecting and operating electric hotbeds; 9 farmers in constructing fire heated sweet potato hotbeds; 11 farmers in constructing and operating manure heated hotbeds for sweet potatoes; 3 farmers in converting 5 old farm buildings into tenant houses; 4 farmers in construction of 4 wood tobacco barns; 4 farmers in constructing cement block smoke houses and 4 farmers were assisted in building permanent hog farrowing houses. A number of farmers were advised as to the proper method of curing and storing sweet potatoes. One farmer was assisted in building and outfit for spraying 2-4D for the control of obnoxious plants; 16 farmers were given plans and instructions for constructing hog self feeders.

Demonstrations were conducted as follows: 4 soybean seed harvesting; 5 lespedeza seed harvesting; 1 seed sweet potato hill selecting; 10 small grain combine harvesting (illustrating the correct method of harvesting seed); 1 permanent tobacco seed bed; 18 hog self feeders; 2 fence post treatment; 3 assembling and operating tobacco sprayer; 2 construction of tobacco barn furnace.

Agronomy

One Outlook Information meeting was held with 167 farmers present. 24 five-acre cotton improvement and 21 five-acre corn contest demonstrations were completed. 44 farmers were assisted in obtaining germination and purity test on 119 lots of cottonseed. 4 wheat production demonstrations were completed. 6 farmers were assisted in obtaining germination test on 7 samples of wheat seed. 1 farmer was assisted in obtaining germination and purity test on 1 sample of abuzzi rye seed. 6 farmers were assisted in obtaining germination and purity tests on 8 samples of combine milo hegari seed. 4 farmers were assisted in obtaining germination and purity tests on 5 samples of biloxi soy bean seed and 4 farmers were assisted in obtaining germination tests on 7 samples of giant striata crotalaria seed. 9 farmers were assisted in obtaining germination and purity tests on 14 samples of kobe lespedeza and 1 farmer with 1 sample of sereca and 2 farmers with 3 samples of Kentucky 31 fescue. Assistance was rendered 21 farmers in purchasing 682 lbs. of clover seed; 68 farmers in purchasing 7,400 lbs. of miscellaneous pasture grass seeds; 31 farmers in purchasing 5,000 lbs. of Dixie wonder peas, 4 farmers in purchasing 100 lbs. of Golden Bantam seed corn; 2 farmers in purchasing 30 bushels of barley seed; 15 farmers in purchasing 34 bushels of hybrid seed corn; 78 farmers in purchasing 406 bushels of velvet and soybeans.

Demonstrations were conducted as follows: 1 treating tobacco bed for blue mold; 1 treating tobacco bed for weed control; one transplanting tobacco; 1 topping tobacco; 1 cotton chopping.

1468 farmers were assisted in planting a mixture of Italian Rye grass seed, Crimson clover, Rye, Oats and Vetch for winter grazing pasture.

Animal Husbandry

Placed 24 purebred boars; 40 purebred gilts and sows; 6 purebred beef bulls; 23 purebred beef cows; 3 beef type steers and 4 purebred dairy bulls and dairy calves and heifers. Assisted farmers in marketing 1,860 hogs weighing 368,800 lbs. that netted farmers \$78,845.00. Conducted 23 burdizzo demonstrations; 1 cattle dehorning demonstration; 5 cutting and curing of meat demonstrations; 1 bull ringing demonstration; 3 tatooing demonstrations; 2 detusking demonstrations; 4 fitting and grooming demonstrations; requested 3 hogs to be Bang's tested for 1 farmer.

Placed the following dual purpose cattle: 9 purebred females and 1 purebred bull.

Dairying

Cooperated with farmers in obtaining 4 dairy bulls. Worked with local health department in obtaining milk for school lunches. Assisted 9 farmers in obtaining 20 purebred dairy cows and heifers. Assisted 25 farmers in selling \$6,039.00 worth of dairy products. Submitted requests for 2 farmers to have 15 dairy cattle tested for Bangs and TB. Submitted requests for 5 4-H club boys to have 5 dairy cattle tested for Bangs and TB. Advice and assistance were given to the establishment of two dairy projects in Lee County.

Entomology and Plant Pathology

Conducted bill bug damage survey. Advised 1468 farmers on control of various insects and diseases. 39 farmers advised in control of cattle lice and 2000 on rodent control. 5 method demonstrations were given on controlling peach borer. Publicity given to boll weevil infestation and control. Gave advice to 1053 farmers on the use of DDT and put on 3 DDT spraying demonstrations.

Forestry

1 planting demonstration given. 1 pulpwood demonstration was given. Placed orders for 71,000 pine seedlings. Cooperated with local Forestry Protective Association. Referred 8 farmers to State Forester for timber estimates and advice on marketing timber. Conducted 1 heeling demonstration.

4-H Club Work

Seven clubs organized with 155 members and 107 project completions. 19 boys made 79 entries in the local fair; 1 boy made 1 entry in the Sumter County Fair and 3 boys made 16 entries at the State Fair. These entries included hogs, steers, dairy calves, corn and sweet potatoes and peanuts. 9 4-H club boys exhibited and sold 120 hogs at the Florence District Fat Stock Show and Sale.

4-H Achievement Day was held with 295 in attendance. The Bishopville Kiwanis Club held a 4-H Day at the County Fair where 300 4-H club members, club leaders and advisers were feted with a Barbecue dinner. Many valuable awards were made on Leadership and 4-H Project Achievement. 31 boys enjoyed a week at Camp Bob Cooper. 2 boys exhibited and sold 3 steers at the Florence Fat Stock Show.

Horticulture

3 fire-heated hotbeds, 2 electric heated hotbed and 4 manure heated hotbed demonstrations were completed. 2 peach pruning demonstrations were conducted. 1 sweet potato plant cutting demonstration was conducted and 1 sweet potato setting demonstration also conducted. 3 sweet potato production demonstrations were completed. 165 nut and fruit trees were ordered for 24 farmers and 500 tulip bulbs ordered for 5 farmers. Conducted 2 watermelon, 2 grapevine pruning and 2 proper method of setting fruit trees demonstrations.

Farmers were aided in selling farm products valued at \$387,381.96 and in cooperative and other purchasing of supplies to the value of \$113,067.94.

Poultry

6 poultry culling demonstrations conducted. Cooperative sales of poultry and turkeys were made netting farmers \$2,540.00. 4,000 chicks were ordered cooperatively. 5 farmers were assisted in obtaining blood tests on their flocks. 3,100 dozen eggs were purchased through two receiving points in the county and sold for \$2,801.50.

Visual Instruction

Showed educational motion pictures to 1648 people at 32 meetings and took 27 snap shots of demonstration projects.

Publicity

A total of 1,231 personal letters written. 29 circular letters prepared with 25,413 copies mailed; 219 news articles published and 3,148 bulletins distributed. 215 square inches of newspaper space was used by sponsors in advertising the Food & Feed Production & Conservation Program.

1. COUNTY, COMMUNITY AND NEIGHBORHOOD ORGANIZATION OF VOLUNTEER FARM AND HOME LEADERS

L. County Agricultural Committee:

- (a) The members of the County Agricultural Committee were selected by the county and home agent with the advice and consent of representatives of other agricultural agencies in the county. It has been revised at various times when the efficiency would be improved by so doing.
- (b) The County Agricultural Committee consists of the following members:

Lucknow)	
Schrock's Mill	)	W. A. Johnson, R-2, Cassatt, SC
Turkey Creek	)	Mrs. T. H. Clyburn, R-1, Bethune, SC
St. Matthews)	
Stokes Bridge	)	L. B. Brown, R-2, Bishopville, S. C.
Una-Alcot)	

Cypress	) D. D. Grant, R-2, Lamar, SC
Wayside	) H. W. Merck, R-2, Bishopville, SC
Mt. Pleasant)
Bishopville	) R. E. McLendon, Bishopville, SC
Elliott	) C. M. Mimms, Elliott, SC
	) M. G. McDowell, R-2, Lynchburg, SC
	) W. W. Player, Jr., Elliott, SC
St. Charles	) R. A. Cousar, R-3, Bishopville, SC
Riverside)
South Lynchburg	) Mrs. B. P. Johnson, Lynchburg, SC
	) J. E. DuRant, Lynchburg, SC
Lynchburg	) R. M. Prince, Lynchburg, SC
	) J. D. Matthews, R-2, Lynchburg, SC
Ashwood	) Luther Smith, R-1, Oswego, SC
	) W. E. Pace, R-3, Bishopville, SC
Central	) J. R. Bradham, R-1, Oswego, SC
Pisgah	) W. H. Shiver, R-1, Rembert, SC
Spring Hill	) C. H. Peebles, R-1, Camden, SC
Cedar Creek	) Mrs. W. B. Davis, R-1, Bishopville, SC
Hickory Hill	) Mrs. Addie E. Brown, R-1, Bishopville, SC
A. A. A.	) Carey R. Kilgore, Jr., Bishopville, SC
F. H. A.	) Sam O'Dell, Bishopville, SC
Forestry Service	) E. B. Stuckey, Bishopville, SC
Production Credit Association	) J. H. Wilson, Sumter, SC
)
S. C. S.	) W. G. Patterson, Bishopville, SC
Lee County Service Officer	) L. M. Peebles, Bishopville, SC
)
Farm Bureau	) Ed. B. Baskin, Bishopville, SC
Extension Service	) W. L. Bryant, Bishopville, SC
	) V. F. Linder, Bishopville, SC
	) Mary Ida Warner, Bishopville, SC
	) Freida Carter, Bishopville, SC
	) Mary Robert Spencer, Bishopville, SC
Council of Farm Women	) Mrs. Lawton Beasley, R-2, Bishopville, SC
4-H Club Representative	) Mrs. C. B. Player, R-3, Bishopville, SC

2. County Executive and Sub-Committees:

(a) Assistance to Returning Veterans

J. H. Watson, Bishopville, SC
Carey R. Kilgore, Jr., Bishopville, SC
W. G. Patterson, Bishopville, SC
Archie Beatty, Wysacky, S. C.
C. M. Mimms, Elliott, SC
R. E. McLendon, Bishopville, SC
Sam O'Dell, Bishopville, SC
L. M. Peebles, Bishopville, SC
J. Frank DesChamps, Bishopville, SC
W. L. Bryant, Bishopville, SC
V. F. Linder, Bishopville, SC
Mary Ida Warner, Bishopville, SC
Freida Carter, Bishopville, SC
Mary Robert Spencer, Bishopville, SC

(b) Marketing Committee:

Harry Elmore, R-1, Bishopville, SC
C. B. Player, R-3, Bishopville, SC
J. E. DuRant, Lynchburg, SC

(c) County Labor Committee:

C. M. Mimms, Elliott, SC
Tom Clyburn, R-1, Bethune, SC
J. E. DuRant, Lynchburg, SC
R. E. McLendon, Bishopville, SC
C. B. Player, R-3, Bishopville, SC
W. L. Bryant, Bishopville, SC
V. F. Linder, Bishopville, SC

(d) County Adult 4-H Club Committee:

Garvis Hancock, R-1, Oswego, SC
R. E. Hudgens, Lynchburg, SC
Mrs. C. B. Player, R-3, Bishopville, SC
Mrs. B. P. Johnson, Lynchburg, SC

3. Representatives On State Agricultural Committee:

(a) State Agricultural Planning Committee:

C. M. Mimms, Elliott, SC
Mrs. Lawton Beasley, R-2, Bishopville, SC
M. G. McDowell, R-2, Lynchburg, SC
Mrs. T. H. Clyburn, R-1, Bethune, SC

4. Duties and Responsibilities Of County Executive Committees:

- (a) To develop a well rounded and coordinated Agricultural Program for the county which will be sound, equitable and within the reach of farm people.

- (b) To be familiar with programs of each agency affecting agriculture, and recommend activities that each shall undertake within the county so that the work of all agencies may be properly correlated.
- (c) To develop statements of agricultural conditions in the county and transmit recommendations for a coordinated county program to the State Agricultural Planning Committee.
- (d) To assist returning veterans with problems related to purchase and management of farms.
- (e) To assist farmers with various problems connected with marketing farm products.
- (f) To aid in giving information in regards to the Labor Program of the county and to help formulate plans to meet these problems when possible.
- (g) To advise on matters pertaining to building a well rounded long range 4-H Club Program.

5. Community and Neighborhood Organizations:

- (a) The county is divided into 11 communities and 27 neighborhoods to carry the various special programs to the people of the county. Following is a list of communities with their respective neighborhoods and the number of voluntary workers in each community and neighborhood:

Ashland-Liberty
Hill Community

ASHLAND

C. W. Windham, Chr., R-2, Bishopville, SC
 Mrs. Thomas Melton, V-Chr., R-2, Hartsville, SC
 A. W. Woodham, R-2, Bishopville, SC
 Miss Ethel Grantham, R-2, Hartsville, SC
 J. T. Smith, R-2, Bishopville, SC
 Mrs. C. W. Windham, R-2, Bishopville, SC
 Mrs. Glee McKenzie, R-2, Bishopville, SC

Hebron
Community

H. M. Mozingo, R-2, Bishopville, SC
 W. B. Beasley, V-Chr., R-2, Bishopville, SC
 Mrs. Warden Shirley, R-2, Bishopville, SC
 Mrs. Jack Woodham, R-2, Bishopville, SC
 Mrs. J. W. Hicks, R-2, Hartsville, SC
 Mrs. Harvey Woodham, R-2, Bishopville, SC
 Mrs. H. M. Mozingo, R-2, Bishopville, SC

CYPRESS

Una-Alcot
Community

Ralph Bell, Chr., R-2, Hartsville, SC
 Mrs. Lawton Beasley, V-Chr., R-2, Bishopville, SC
 Mrs. E. H. Hearon, R-2, Bishopville, SC
 H. B. Woodham, R-2, Bishopville, SC
 Mrs. C. M. Hill, R-2, Bishopville, SC

Cypress
Community

D. D. Grant, Chr., R-2, Lamar, SC
 Mrs. Carl Thomas, V-Chr., R-2, Lamar, SC
 W. H. Fields, R-2, Lamar, SC
 Mrs. W. H. Fields, R-2, Lamar, SC

Wayside Community H. W. Merck, Chr., R-2, Bishopville, SC
 Mrs. H. W. Merck, V-Chr., R-2, Bishopville, SC

Mt. Pleasant Community L. R. Parnell, Chr., R-2, Lamar, SC
 L. L. Caston, V-Chr., R-2, Lamar, SC

LUCKNOW

Schrock's Mill Community W. A. Johnson, Chr., R-2, Cassatt, SC
 W. S. Lee, V-Chr., R-2, Cassatt, SC
 Mrs. J. A. Johnson, R-2, Cassatt, SC

Lucknow Community C. M. Stokes, Chr., R-4, Bishopville, SC
 W. A. Hancock, V-Chr., R-4, Bishopville, SC
 Mrs. E. A. Hall, R-4, Bishopville, SC
 Mrs. George Radcliff, R-4, Bishopville, SC

TURKEY CREEK

Turkey Creek Community Mrs. T. H. Clyburg, Chr., R-1, Bethune, SC
 Tom Clyburn, V-Chr., R-1, Bethune, SC
 Mrs. Foster Gardner, R-1, Bethune, SC
 Mrs. R. A. Newsom, R-4, Bishopville, SC

St. Matthews Community Mrs. H. L. Mazingo, Chr., R-4, Bishopville, SC
 Mrs. Rothwell Tedder, V-Chr., R-4, Bishopville, SC
 Ira B. Newsom, R-4, Bishopville, SC
 Mrs. Ira B. Newsom, R-4, Bishopville, SC

CEDAR CREEK

Cedar Creek Community Gene Boykin, Chr., R-1, Bishopville, SC
 Mrs. W. B. Davis, V-Chr., R-1, Bishopville, SC
 Mrs. S. J. Cook, R-1, Bishopville, SC

Ionia Community H. C. Boykin, Chr., R-1, Camden, SC
 Kershaw Corbett, V-Chr., R-1, Camden, SC
 Mrs. Jasper J. Davis, R-1, Bishopville, SC

Hickory Hill Community V. C. Caughman, Chr., R-1, Bishopville, SC
 H. N. White, V-Chr., R-1, Bishopville, SC
 Mrs. Johnnie Elmore, R-1, Bishopville, SC

Reedy Branch Community Mrs. L. E. Hall, Chr., R-4, Bishopville, SC
 O. D. Peebles, V-Chr., R-1, Bishopville, SC
 Mrs. L. M. Kennington, R-4, Bishopville, SC

CENTRAL

Central Community L. A. White, Chr., R-1, Dalzell, SC
 Mrs. R. R. McCutchen, V-Chr., R-1, Rembert, SC
 C. G. Gladden, R-1, Camden, SC
 Mrs. Ned Stafford, R-1, Dalzell, SC

Woodrow
Community

J. C. Heriot, Chr., R-1, Dalzell, SC
James R. Bradham, V-Chr., R-1, Oswego, SC
W. L. Hancock, R-2, Dalzell, SC
W. M. Bass, R-1, Dalzell, SC
Mrs. W. L. Hancock, R-2, Dalzell, SC

Pisgah
Community

Victor McLeod, Chr., R-1, Camden, SC
Ralph White, V-Chr., R-1, Camden, SC
J. K. Richburg, R-1, Camden, SC
Mrs. T. B. White, R-1, Camden, SC

Egypt
Community

W. H. Shiver, Chr., R-1, Rembert, SC
Mrs. C. M. Shiver, V-Chr., R-1, Rembert, SC
E. A. Bradley, R-1, Rembert, SC

ASHWOOD

Ashwood
Community

W. E. Pace, Chr., R-1, Oswego, SC
Luther Smith, V-Chr., R-1, Oswego, SC
A. F. Stafford, R-1, Oswego, SC
Mrs. C. D. Wright, R-3, Bishopville, SC

ST. CHARLES

St. Charles
Community

L. F. Josey, Chr., St. Charles, SC
G. D. Wilson, V-Chr., R-1, Mayesville, SC
C. B. Player, R-3, Bishopville, SC
R. M. Jenkins, R-1, Mayesville, SC
Mrs. R. M. Jenkins, R-1, Mayesville, SC

Mt. Clio
Community

M. R. Mathis, Chr., R-3, Bishopville, SC
C. W. Josey, V-Chr., R-3, Bishopville, SC
Mrs. C. W. Josey, R-3, Bishopville, SC

ELLIOTT

Elliott
Community

M. G. McDowell, Chr., R-2, Lynchburg, SC
Mrs. W. J. Hammond, V-Chr., Elliott, SC
C. M. Mimms, Elliott, SC
Mrs. C. M. Mimms, Elliott, SC
M. F. Mooneyham, Elliott, SC
W. W. Atkinson, R-3, Bishopville, SC
Mattie J. Cousar, R-3, Bishopville, SC
W. W. Player, Jr., Elliott, SC

Wysacky
Community

Archie Beatty, Chr., Wysacky, SC
Robert E. Josey, V-Chr., R-3, Bishopville, SC
Mrs. Will McLendon, R-3, Bishopville, SC

BISHOPVILLE

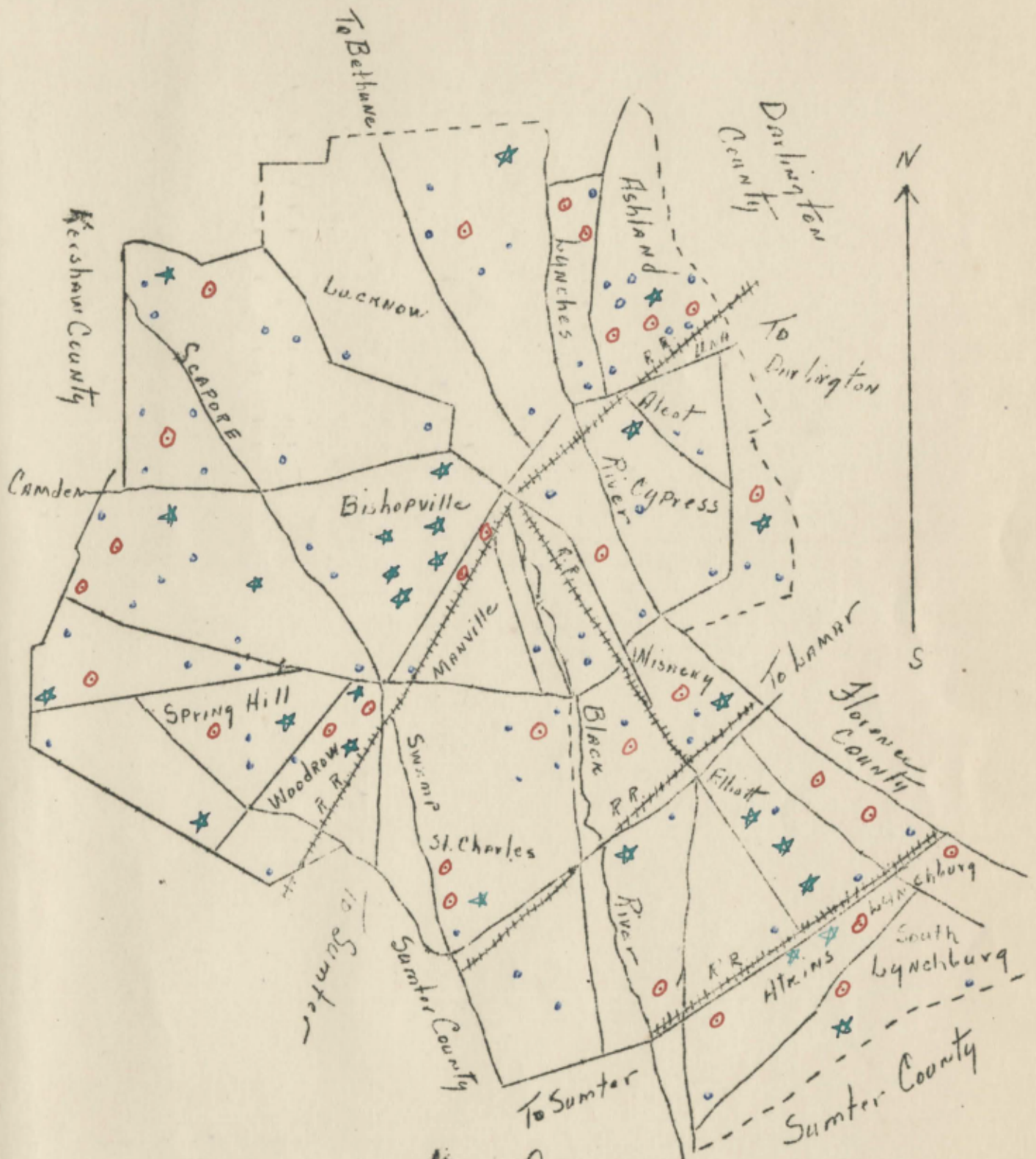
Bishopville
Community

V. S. Goodyear, Chr., Bishopville, SC
W. P. Baskin, Jr., V-Chr., Bishopville, SC
J. R. Barnes, R-1, Bishopville, SC

LYNCHBURG

Lynchburg	R. M. Prince, Chr., Lynchburg, SC
Community	A. V. McElveen, V-Chr., Lynchburg, SC
	E. T. Stokes, Lynchburg, SC
	Vernon Boyce, Lynchburg, SC
	J. W. Sprott, Lynchburg, SC
	J. D. Dougherty, Jr., Lynchburg, SC
	D. E. Tallon, Lynchburg, SC
South Lynch-	J. E. DuRant, Chr., Lynchburg, SC
burg	Mrs. Lucille McKnight, V-Chr., Lynchburg, SC
Community	Miss Bessie Hinson, Lynchburg, SC
	D. L. Gibbs, Lynchburg, SC
	T. H. Edens, Lynchburg, SC
Atkins-Rhodes	J. A. Harker, Chr., Atkins, SC
X Roads	S. M. Rhodes, V-Chr., R-1, Mayesville, SC
Community	Hugh Witherspoon, R-1, Mayesville, SC

6. On the following Page is a map of Lee county showing the location of organized communities and neighborhoods with symbols showing location of residences of voluntary county, community and neighborhood leaders:



MAP OF
Lee County

- ★ County Committeemen
- Community Leaders
- Neighborhood Leaders

0 5 10

7. Programs and Campaigns Handled Through Voluntary Leaders

1. Food and Feed Production and Conservation Program: All out production of food and feed crops and a program of conservation and soil building was carried out in 27 organized communities in Lee County in 1948 to increase farm income, to provide better farm living and furnish a surplus for others.

Meetings were held in all communities and individual contacts made in the furtherance of the program. All forms of publicity was utilized and demonstrations were conducted to inform the farmers of the program.
2. Liming Program: Weather conditions and labor shortage hindered the lime program greatly and only 26 farmers ordered and received 875 tons of limestone during 1948.
3. Home Garden Program: Special emphasis was given to this part of the program. It is estimated that 97% of all farm families in the county and 65% of town families planted home gardens.
4. Small Grain: The acreage of small grain to be harvested in 1948 was considerably reduced due to unfavorable weather during the planting season of 1947. Yields were generally good on the planted acreage. There has been a reasonably big demand for seed for the 1949 crop, indicating a larger acreage for spring grazing and for grain in 1949.
5. Corn: 27 farmers of the county jointed the 5-acre Corn Contest with 18 completing with an average yield of 65.6 bu. per acre. Highest yield checked to be 115.3 bu per acre. There is a definite trend to increase yields through fertilization and improved cultural practices.
6. Wheat for Food: Every family was urged to produce at least enough wheat to supply their needs of wheat for farm use. Due to efforts, many farm families were able to produce enough wheat for family use and some to sell. The outlook now indicates that more acres of wheat will be planted for 1949 than 1948. This being a result of the good price for wheat this year and the fact that the farmer can plant and harvest this crop mechanically.
7. Sweet Potatoes: Lee County soils and climate are especially favorable to the production of sweet potatoes, both for home use and for sale. Both of these features were pushed with good results. It is estimated that above 98% of the potatoes grown in the county are planted to the improved Porto-Rica variety. Two seed breeders within the county furnish most of the improved stock. There was about a 10% decrease in the 1948 acreage over the 1947. These has been one additional market for sweet potatoes in Lee County during 1948.
8. Cane for Syrup: The production of cane for home syrup has been urged through the use of more suitable mosaic resistant varieties and through improved methods of fertilization. The Coker Seed Company of Hartsville, SC gave 8,000 stalks of the CO-290 variety in 1943 to the farmers of the county to help in the promotion of syrup for home use. Farmers receiving cane in 1943 have distributed the cane to their neighborhood farmers each year until it has reached every corner of the county.

9. Hogs to Kill: Many of our farm families killed sufficient pork for home use in 1948. There are more hogs being put in the smook house and freezer lockers now than ever before; and more of our small farmers are also producing their home needs.
10. Milk Cows: Farm families are urged to obtain milk cows where sufficient milk was not being produced.
11. Poultry and Eggs: There was a considerable decrease in 1948 of poultry and eggs as compared with 1947. However, turkey production showed a small increase.
12. Hay: Lee County has the reputation of curing the best quality of peavine hay in South Carolina. This is due to the use of the Clemson hay curing rack. Production of more hay during the winter was urged. Lespedeza and Kudzu hay are beginning to find their places in the county. Lespedeza again exceeded peavine hay in production this year. Considerable interest is being shown in the production of alfalfa.
13. Improved Pastures: 58 permanent pastures were put in according to recommendations during the year. Seed to improve old sods were secured with the county agents' advice and assistance.
14. Rice: Rice as a food crop was planted by a few of our farmers in 1948. Most planters harvested sufficient rice for home use and some for market.
15. Annual Grazing Crops: The value of annual grazing crops for use in livestock feeding was stressed with good results. Farmers have found that good grazing is a cheaper feed than high priced hay.

194 farmers were assisted in planting a mixture of Italian Rye Grass, Crimson Clover, Rye, Oats and Vetch for winter grazing pasture. It is beginning to be a usual practice of farmers to plant patches of small grain for winter and spring grazing.
16. Grain Sorghum: Grain sorghum is fast finding its place in the county. A good many farmers are growing it for seed while most of them are grazing their down in the field.
17. Farm Labor: The county agent's office continues to handle farm labor problems with the assistance of the County Labor Committee. The agents have worked closely with farmers in locating labor during peak demand periods, as well as with problems relative to farm machinery.
18. Soybeans: Approximately 700 acres of soybeans for seed were planted in 1948. This acreage was planted in Clemson, Yelinando and Biloxi beans. A large number of acres were planted for grazing also.

II. EMERGENCY PEACETIME ACTIVITIES

1. Farm Labor Program: Since the passing of the Farm Labor Program, the County Labor Committee continues to function in advising on matters pertaining to problems of labor in Lee County.

The demands for labor in 1948 were not as great as in years gone by.

This has been attributed in a large measure to the high wages being paid for harvesting. The availability of more farm machinery continues to lighten the demands for labor and is making for more economical production. There were three large International cotton pickers operating in the county this year. Much advice has been given on the selection, care and operation of farm machinery in the county.

2. Waste Fat Collection: Assistance was given when needed in the collection of fats by personal visits and timely information through news articles.
3. Nutrition Program: Several news articles and circulars were issued and the program pushed through local committees. Bulletins on nutrition were given to local school teachers who requested this information to be used in class room work. 6 grits and meal enrichment feeders were installed during the year. Only a few small mills in the county are without this service.
4. Peacetime Agricultural Program: Timely information was given through news articles, circular letters and personal letters, bulletins and personal visits toward the production and conservation of more and better food and feed.

In committee and community meetings this program was always stressed in one form or another. The voluntary leaders did a good job in carrying this to negro families.

5. Inflation Program: In order to help curb inflation through education among farm people a campaign was carried on through news articles, circulars and the voluntary community committeemen.
6. Voluntary Food Rationing: Publicity was released through news articles and personal contacts.
7. Farm Machinery Priorities: In order to help farmers in this program timely information was given and personal assistance whenever possible.

III. COOPERATION WITH POSTWAR AGENCIES

The county agent has cooperated with all postwar agencies. Following is a summary:

1. Local Red Cross and Defense Organization: The agent has served as a member of the Lee County Civilian Defense Council and worked closely with both organizations in their many activities.
2. Priorities: The county agent assisted with problems relative to obtaining priorities for farm machinery, equipment and supplies, especially those affecting returned veterans.
3. Returning Veterans: The agent worked closely with County Service Officer for returned veterans. Assisting with farm placement, purchases and general education.
4. Veterans Farm Program: The county agent serves on the advisory committee for the program and renders advice and assistance to the veterans' teachers of the county.

IV. PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1948 included Outlook meetings, assisting with farm planning, cooperation with Farm Credit agencies and assistance with farm and home account records.

Outlook Meetings: One county-wide Outlook meeting was held with an attendance of 167 farm people.

Joint meetings on outlook and other timely agricultural information were held by the county and home agent in cooperation with AAA and SCS in 4 communities. These meetings were attended by 184 voluntary farm leaders.

Complete Farm and Home Records: One Lee County farm family kept complete records on their farming operations in 1948.

Complete Farm Record Demonstration -- 1948

Name	Address	Size of Farm	Predominant Type of Farming
I. B. Newsom	R-4 Bishopville, SC	155.0 Acres	Cotton, Tobacco, Sweet Potatoes, Hogs & Beef Cattle

Cooperation With Farm Credit Agencies: The county agent cooperated with the Production Credit Associations, Production and Marketing Administration and Farm Home Administration in extending credit to farm people in the county. 118 Lee county farmers borrowed through the Production Credit Associations \$317,048.45.

Farmers have been advised throughout the year in reference to credit and aid in crop production.

Farm Planning: The county agent cooperated with the Soil Conservation Service in planning operations on thirty farms this year.

County Planning: Five meetings of the county agricultural planning committee were held during the year with 74 farmers and farm women attending. Community committees were revised during the year where efficiency would be increased. Assisted 165 farmers in planning their farming operations in 1948 for 1949.

AGRICULTURAL ENGINEERING

Agricultural engineering work for 1948 consisted of furnishing plans for farm buildings and equipment, assistance and advice in operation of farm and home machinery, electric and fire heated demonstrations of hotbeds and soil conservation.

The agents assisted farmers all over the county in remodeling farm homes and buildings. Three farmers were assisted in formulating plans and building 3 permanent swine farrowing houses.

Farm Building and Equipment Plans: Farm building plans prepared by the extension agricultural engineers were furnished farm people for the construction of the following:

Summary Of Farm Building & Equipment Plans

Building or Equipment	Number
Sweet Potato fireheated hotbeds	7
Sweet Potato electric hotbeds	2
Sweet Potato manure heated hotbeds	21
Sweet Potato curing houses	2
Sweet Potato storage house	1
A Type Sweet Potato house	2
Homemade electric brooder	8
Laying house	2
Hog self feeder	14
Hog trough	9
Hog watering barrel	6
Shed type hog house	8
Pig creep	4
Smoak house	3
Farrowing shed	7
Tobacco barn	4
Concrete tobacco plant bed	1
Peanut stack racks	11
Homemade lime spreader	1
Hay curing racks	31
Septic tank	7
Tenant house	14
Farm machinery shed	8
TOTALS	169

Special campaigns were conducted throughout the year by all agents in such activities as: the proper use of farm machinery and equipment, it's care and repair; farm planning, dealing mostly with problems of postwar activities and labor saving methods, principally putting machinery to it's most efficient use, and by utilizing labor to its fullest extent.

Hay Curing Racks: Several farmers were advised about the use of hay curing racks and plans furnished for their construction. The educational work by the extension service over a period of years has resulted in the almost universal use of this type rack for curing hay. Lee County has won the distinction of producing the best quality of peavine hay produced in the state which is due entirely to the method of curing. Lespedeza and Kudzu hay are gaining in popularity. Kobe lespedeza hay exceeds peavine in production in this county; some yields reported as high as 3 tons per acre or more. Interest is being shown in the production of alfalfa for hay.

Electric Heated Hotbeds: Three farmers were assisted in the operation of electric heated hotbeds.

Fire Heated Hotbeds: Plans were furnished and bed construction for 7 fire heated beds and a large number of growers were assisted with their operation.

Manure Heated Hotbeds: Plans were furnished for the construction of 21 manure heated hotbeds. Many farmers were assisted in the care of the constructed beds.

Demonstration of Electrical Equipment: One electric brooder demonstration was conducted and cost record obtained with the following results:

Summary Electric Brooder Demonstration

Demonstrator - J. B. King, Bishopville, S. C.

Make of brooder - Homemade, Lyon Infra-Red Ray plate unit.
 Brooder capacity - 125
 No. chicks started - 100
 Percent mortality - 6
 Months operated - February - March
 No. weeks brooded - 6
 Total KWH used - 85
 Cost of current @ 3¢ - \$2.55
 Cost per chick - 2.5½¢

Converting Old Buildings: Several farmers were advised as to the use of tobacco barns for sweet potato curing. 9 farmers were advised and assisted in converting old buildings into useable tenant houses.

SOIL CONSERVATION WORK

Soil Conservation work for the year was in cooperation with the Lynches River Soil Conservation District, which includes Lee County. The Soil Conservation Service is cooperating with the district and 5 technicians are assigned to this county (one of which works as a drainage engineer). Soil Conservation meetings and demonstrations are planned and held in cooperation with the Soil Conservation Service technicians working in the county.

District Farm Plans: During the year 60 district farm plans have been prepared by the Soil Conservation Service technicians working in the county. Soil Conservation Service technicians estimate that 65 percent of the soil conservation practices planned on these farms have been established.

Terracing: There are 2 power terracing units operating in the county by the AAA contractors. Due to labor shortage very little terracing was done in the county this year.

Terrace Maintenance: Most farmers have maintained their old terraces with their available labor and farm equipment.

Farm Drainage: Drainage surveys have been made for 28 farmers cooperating with the district by the Soil Conservation Service technicians stationed here.

The Service has completed 8 canals in the county consisting of about 45 miles of drainage in Lee County. These canals will relieve a constricted condition in the old system that has seriously effected the value of the drainage system to a large number of farms in two sections of the district. 5 farmers were assisted in ditching by dynamite 4,750 yards.

Wide-Spread Establishment of Soil Conservation Practices: During the winter and spring months the county agent cooperating with the Soil Conservation District and Soil Conservation technicians in the county held 5 community meetings on the establishment of soil conservation practices in addition to farms under district agreement.

Meetings, Tours, Demonstrations: During the year community meetings were held to explain to the farmers what assistance they could receive through the Soil Conservation Program in this district.

Summary of Soil Conservation Work: The tables on the following pages give a summary of (1) Extension Educational Activities; (2) Extension Demonstrations In Establishing Soil Conservation Practices, and (3) A summary of All Soil Conservation Practices Established In The County During The Year.

SOIL CONSERVATION EDUCATIONAL ACTIVITIESLEE COUNTYDECEMBER 1, 1947 - November 30, 1948

* * * * *

	<u>Number</u>	<u>Attended</u>
1. No. group conferences Extension & SCS technicians in county	4	18
2. No. community meetings with Soil Conservation District work	6	43
3. No. field meetings - Method demonstrations establishing practices	0	0
No. meetings at demonstrations (observation)	0	0
4. No. farms on which county agent assisted with soil conservation farm planning	126	-
5. Informational material on Soil Conservation		
No. informational circular letters	1448	-
No. informational news articles	14	-
No. bulletins (soil conservation) distributed	113	-
No. radio programs (soil conservation)	0	-
6. Soil Conservation programs with 4-H clubs	7	-
7. No. contestants 4-H Soil Conservation contest	4	-
8. No. demonstrations to establish farm drainage	0	-
No. acres drained	0	-
9. No. demonstrations maintenance drainage ditches	0	-
10. No. demonstrations establish cover of summer or winter annuals per perennials for soil conservation	8	19
11. No. Method demonstrations farmer-built terraces	7	22
12. No. method demonstrations terrace maintenance	7	22

	<u>Number</u>	<u>Attended</u>
13. No. organized communities in county for Soil Conservation	7	-
No. farms in these communities	524	-

* * * * *

EXTENSION DEMONSTRATIONS ESTABLISHING SOIL CONSERVATION PRACTICES

	<u>Number</u>
1. No. farmers or farmer-contractors who have built terraces with farm equipment	7
2. No. acres terraced with this equipment	115
3. No. farms on which this work was done	7
4. No. blade-type or patrol-type terracing outfits in county	4
5. No. acres terraced by these outfits	0
6. No. farms this work done	0
7. No. terrace planning and line running schools held	2
8. No. persons trained to run terracelines	4
9. No. of district or county-owned draglines operating in county	2
10. No. draglines operated by contractors in county	1
11. No. miles drainage canals cut	40
12. No. acres drained	7148
13. Different farms affected	31
14. No. farms on which tile drainage was established	10
15. No. feet tile drainage established on these farms	12,352
16. No. farms on which drainage ditches blown with dynamite	5
17. No. yards drainage ditches blown	3600
18. No. farms irrigation demonstration conducted	0
19. Acres irrigated	0

* * * * *

SUMMARY OF SOIL CONSERVATION PRACTICES ESTABLISHED IN

LEE COUNTY DURING 1948

	<u>Number</u>
1. No. soil conservation district farm plans	60
2. Total acres in these farms	9492
3. Total number soil conservation district farm plans in county	586
4. Total acres in these farms	96,745

* * * * *

Rural Electrification: Several people were advised as to correct procedure to obtain electric service from near-by rural electric lines. Four new lines were put up during 1948, serving 150 farm families.

Harvesting, Handling and Ginning Cotton: Three county-wide circular and 19 news articles were released on the harvesting and handling of cotton. 14 ginnerys were visited in reference to proper ginning. 1 farmer was assisted in obtaining 6 gin units. Estimates show that 98% of cotton grown in the county is one variety. The county organized One-Variety Cotton Classification and Improvement Association in 1947 and it was renewed in 1948.

Peanut Harvesting and Picking: Assistance was given to 9 farmers in harvesting their peanut crop.

AGRONOMY

Agronomy work in Lee County in 1948 consisted of demonstrations and educational work with each of the major agronomy crops.

Outlook and Information Meetings: 1 county-wide Outlook and Information meeting was held that was attended by 167 farm people. 4 similar meetings were held in communities with 184 farm people attending.

Soil Testing: The agent cooperated with 3 farmers in obtaining acidity test on 28 soil samples during the year. Some are using such test as a guide to soil management and farm fertilizer practices.

Cotton

Five-Acre Cotton Improvement Demonstrations: 22 farmers completed demonstrations in cotton production with the following results:

Name	Variety	Total Cost	Total Lint	Total Val. Seed and Lint per Five Acres	Gross Profit
O. L. Edwards	Coker's 100 WR	\$ 674.85	4801	\$ 1,885.16	\$1,210.31
Jack H. Player	Coker's 100 WR	599.65	4635	1,819.91	1,220.26
J. E. DuRant	Coker's 100 WR	816.10	4592	1,794.11	978.01
J. E. McCutchen, Jr.	Coker's 100 WR	508.38	4526	1,773.38	1,265.00
R. E. McLendon	Coker's 100 WR	865.75	4522	1,775.61	909.86
C. B. Player	Coker's 100 WR	600.82	4428	1,737.73	1,136.91
George G. Cooper	Coker's 100 WR	710.88	4398	1,726.89	1,016.01
Roy E. Hudgens	Coker's 100 WR	717.70	4330	1,810.33	1,092.63
D. K. Josey	Coker's 100 WR	528.55	4326	1,701.34	1,172.79
Ed. B. Baskin	Coker's 100 WR	719.65	4320	1,696.42	976.77
Charlton Brown	Georgia Sure Crop	653.98	4285	1,693.37	1,039.39
Rufus Lieghty	Georgia Sure Crop	650.98	4248	1,668.84	1,017.86
Archie Beattie	Coker's 100 WR	662.50	4330	1,656.97	997.47
Henry McDuffie	Coker's 100 WR	634.98	4210	1,653.15	1,018.17
C. W. Josey	Coker's 100 WR	573.98	4209	1,615.61	1,041.63
R. M. Cooper	Coker's 100 WR	614.07	4068	1,598.37	984.30
J. T. Smith, Jr.	Coker's 100 WR	598.33	3983	1,565.03	965.70
W. W. Player	Coker's 100 WR	618.25	3952	1,451.73	833.48
Alford M. Welch	Coker's 100 WR	496.60	3834	1,505.49	1,008.89
H. M. Skinner	Coker's 100 WR	669.97	3793	1,489.25	819.28
W. J. Hammond	Coker's 100 WR	421.01	3649	1,442.81	1,021.80
G. R. Muldrow	Coker's 100 WR	532.84	3533	1,397.65	864.81
TOTALS 22		\$13,867.82	92862	\$36,458.15	\$22,688.40
Average lint per acre 884 pounds					

Summary of Cotton Contest Demonstrations 1939 -1948: Following is a summary of results of the Five-Acre Cotton Improvement demonstrations for period 1939 - 1948 inclusive:

Year	No. Dems.	Pounds Lint Per A.	Value Per A.	Cost Per A.	Profit Per Acre
1939	25	749.7	\$ 90.94	\$ 41.75	\$ 49.19
1940	25	593.2	72.58	37.59	35.00
1941	24	310.4	70.35	33.40	36.95
1942	7	602.0	148.64	34.56	114.08
1943	5	812.0	214.03	45.07	168.96
1944	12	886.1	227.70	57.80	169.90
1945	12	834.5	226.06	60.52	167.54
1946	18	903.0	421.97	92.51	329.46
1947	26	813.0	324.71	103.90	218.38
1948	22	844.0	331.44	126.07	206.26

It is interesting to note that with disastrously low yields prevailing generally throughout the county in 1941 and 1942 that profitable yields were obtained by all of the contestants. The effect of those demonstrations has been to stimulate the adoption of improved practices in cotton production and it is felt has been an outstanding contribution to improved yields now noted in the county. Farmers produced the largest cotton crop in years during 1944, and thought they would never produce a crop like that again, but 1948 will show a bale per acre or more throughout the county. The 1948 insecticide program played a big part in producing this unusual crop.

Improved Seed and Seed Treatment: Practically all of the cotton acreage is planted to improved varieties of recent origin. Many of our farmers follow the practice of buying sufficient pedigreed seed each year to plant a seed patch. Practically all of our farmers have adopted seed treatment as a standard practice. 119 cottonseed samples for 44 farmers were sent into the State Department of Agriculture for germination test. Many small farmers buy seed from the Five-Acre contestants in the county. It is estimated that around 98% of the cotton now planted in the county is a strain of the Coker's 100, Wilt Resistant.

The photograph below was made of Lee County cotton fields, one poisoned and the other unpoisoned.



Poisoned cotton field



Unpoisoned cotton field

Cotton Aero Defoliation: The use of Aero Defoliant for removal of cotton foliage at picking time is becoming well established in Lee County. It is profitable to the grower, relatively inexpensive, and its advantages are quickly realized. Applied to hand picking operations, it points the way to more successful use of mechanical picking and stripping machinery in the future. 4 mechanical pickers and 3 strippers were used in the county during the 1948 harvesting season.

Corn Production

5-Acre Corn Contests: A county 5-acre corn contest was organized with 14 contestants completing their demonstrations in 1946 and 19 in 1947. The contest was continued in 1948 with the following results:

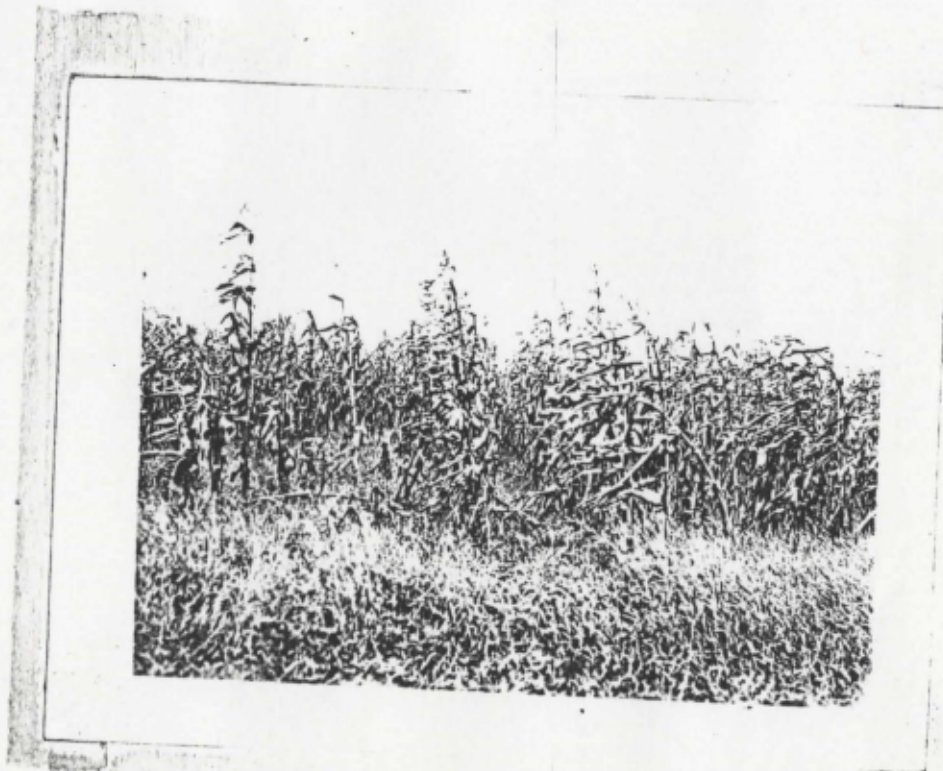
Name	Variety	Acres	Yield	Total Cost	Net Profit
			Per Acre		
Fred DuBose	NC-27, Hybrid	5	115.3	\$ 385.20	\$ 479.55
J. D. Matthews	NC-27, Hybrid	5	92.4	176.30	516.45
C. W. Josey	Josey's Prolific	5	88.9	257.35	409.40
C. B. Player	NC-27, Hybrid	5	86.7	165.20	485.05
J. R. Bradham	NC-27, Hybrid	5	85.1	214.50	423.75
C. W. Josey	NC-27, Hybrid	5	84.9	201.95	434.80
H. E. McCoy	Josey's Prolific	5	80.9	237.90	368.85
Edward McDowell	Latham's Double	5	74.4	162.92	395.08
W. W. Player, Jr.	Douthitt's	5	72.0	367.30	172.70
Ed. B. Baskin	Josey's Prolific	5	64.1	315.45	485.80
Dr. R. L. Dickerson	Latham's Double	5	61.5	160.40	300.60
H. W. Shaw	Douthitt's	5	61.3	180.85	278.90
V. S. Goodyear	Josey's Prolific	5	58.1	167.10	168.65
J. A. Blackwell	Douthitt's	5	55.4	166.15	249.35
J. R. Bradham	Douthitt's	5	52.1	210.50	180.25
L. F. Montgomery	NC-27, Hybrid	5	49.4	186.59	307.41
R. W. Tedder	Josey's Prolific	5	48.7	132.78	232.47
Alford Welch	Ellis	5	40.0	140.00	160.00
TOTALS	18	90	1,270.3	\$ 3,728.44	\$6,049.06

Average yield per acre - 70.6 bushels

Hybrid Corn Production: 9 different varieties of Hybrid corn were tried out in the county during 1948. The three most outstanding varieties were the NC-27, NC-26 and Dixie 17. All other varieties tried showed up very good; however, the shuck covering was poor and showed considerable weevil damage.

During the 1948 the campaign to increase the per acre yield was continued. Timely information was furnished through circular letters, news articles and personal visits to contestants and other farmers. During the three years of the corn contest carried on in the county, the interest of higher yields per acre has spread like wild fire all over the county, especially by new methods of cultivation and increased amount of fertilizer per acre.

The snapshot below shows demonstration of close planting of contest corn on the right side of photo, while on the left of photo wide spacing of check plot of corn is shown.



Small Grain

Wheat Production: 3 demonstrations with wheat were completed with the following results:

Summary of Wheat Production Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost	Profit
Ed. B. Baskin	Hardired	30	19 bu.	\$ 892.00	\$ 390.50
D. K. Josey	Red Heart	4	26 bu.	92.50	149.82
Mrs. Genie E. Smith	Hardired	7	31 bu.	148.65	339.60

Average yield per acre - 21.6 bushels.

Improved Seed: Seed samples for germination and purity test were sent in for 6 farmers. The rust tolerant Hardired variety is gaining popularity with farmers.

Oat Production: 4 demonstrations with oats were completed with the following results:

Summary Of Oat Demonstrations

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
Ed. B. Baskin	Victor grain	55	67 bu.	\$1,703.75	\$3,231.87
W. W. Player, Jr.	Fulgrain	25	62 bu.	616.00	1,709.00
R. E. McLendon	Victor grain	23	56 bu.	401.05	1,273.35
Arthur Spann	Fulgrain	5	100 bu.	136.75	488.25

Average yield per acre 65.0 bushels.

Six farmers were assisted in obtaining germination test on 8 samples of oat seed.

Legume Production

Lespedeza Production: Three demonstrations with lespedeza for hay were completed with the following results:

Summary of Kobe Lespedeza For Hay Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost Per Acre	Gross Profit
John O'Kelley	Kobe	12	6,100 lbs.	\$19.75	\$1,140.50
L. F. Berry	Kobe	5	2,500 lbs.	18.25	158.75
R. E. McLendon	Kobe	15	2,700 lbs.	20.00	1,410.00

Two demonstrations with Kobe lespedeza for seed were completed with the following results:

Summary of Kobe Lespedeza For Seed Demonstrations

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
W. M. Bell	Kobe	20	700 lbs.	\$968.00	\$ 992.00
Ben Jordan	Kobe	18	700 lbs.	838.40	573.60

The county agent assisted in placing 25,410 lbs. of lespedeza with 48 farmers in the county.

Lespedeza is gaining in popularity as a hay and soil-building crop. It has replaced a large part of our cow pea hay.

Careful estimates indicate that the acreage of lespedeza grown for hay in Lee County has grown from none seven years ago to 6,000 acres in 1948.

Summer Legumes: Cooperative orders for the following seed were placed through the agents' office:

Velvet beans	130 lbs.
Soybean seed	406 bu.
Cow peas	232 bu.
Crotalaria	1,300 lbs.

Winter Legumes: The production of winter legumes has not been very successful in Lee County, but some interest continues. The following orders were placed with cooperation of the county agent:

D. W. and A. W. pea seed	5,000 lbs.
Vetch	2,400 lbs.
Ky-31 Fescue	650 lbs.

Peanut Production

Peanuts: Two demonstrations with peanuts were completed with the following results:

Summary Of Peanut Demonstrations

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
J. R. Bradham	Va. Bunch	10	2,330 lbs.	\$ 370.00	\$ 2,332.80
Mrs. Genie E. Smith	Va. Bunch	7	1,600 lbs.	352.30	975.10

Soybean Seed Production

Soybean Seed Production Demonstrations: Two demonstrations were completed with the following results:

Summary Of Soybean Seed Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost Per Acre	Gross Profit
Ben Jordan	Clemson Non-shatter	18	12 bu.	\$ 19.00	\$ 306.00
Foster Gardner	Biloxi	10	10 bu.	18.75	152.50

Grain Sorghum Production

Grain Sorghum Production Demonstration: One demonstration was completed with the following results:

Summary of Grain Sorghum Seed Demonstration

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
H. E. Muldrow	Martin's Combine Milo	10	52 bu.	\$ 130.25	\$ 909.75

Rice Production: Most of the rice produced in the county was grown in small patches for home use.

Tobacco

Tobacco has gained in popularity in the county during the past few years. 1,138 farmers planted tobacco in the county during 1948. Yields were good and all tobacco farmers made money.

Tobacco Demonstrations: Extension work with tobacco was directed towards higher yields of better quality tobacco. One demonstration was completed and turned in. Following is a summary of this demonstration:

Summary Of Tobacco Demonstration

Name	Acres	Variety	Fertilizer		Yield Per Acre	Net Profit
			King	Amount		
J. E. DuRant	2.2	401	3-9-6	1000	1637	\$711.94

Tobacco Nematode: Tobacco Nematode is taking it's toll throughout the county. Two demonstrations with DD in 1948 gave very good results.

Miscellaneous Tobacco Work: Numerous farmers were advised as to proper rotation for tobacco as well as to correct fertilizers. 9 newspaper articles were written in conducting the tobacco program related to methods of handling curing and marketing. A number of farm visits were made relative to tobacco production, curing, handling and advising farmers as to the proper use of oil burners for curing tobacco.

Permanent Pasture Development

Permanent Pastures: The agent worked very closely with 61 farmers in establishing and managing permanent pastures. Striking results were noticed on these pastures; however, no written results were obtained. Many other farmers were given advice as to the proper methods of establishing and seeding requirements. Due to the high price of seed, most of these pastures did not have the proper amount of seed planted, but should show improvement next season. A grazing calendar was prepared and sent to every land owner in the county.

Cooperative orders for the following pasture seeds were placed through the agent's office:

Carpet grass	350 lbs.
Clovers	682 lbs.
Dallis grass	268 lbs.
Italian Rye grass	3,600 lbs.
Vetch	400 lbs.
Ky-31 Fescue	200 lbs.

The following demonstrations were completed during the year with the following results:

Summary Permanent Pasture Demonstrations

- (1) Name: I. B. Newsom
 Acres: 7.0
 Year Started: 1941 (Fall)
 Soil Type: Portsmouth
 PH Test: (1) Before--Topsoil 5.40; Subsoil 5.25
 (a) After --Topsoil 6.70; Subsoil 5.20
 Preparation: Discd with double disc harrow. Lime and acid broadcast. Bermuda sprigged 20" rows 15" in drill, Nov. 1941. (Covered with one furrow.)
 Cultipacked White Dutch inoculated and seeded broadcast (not covered).
 Dec. 1, 1941 Dallis grass and common lespedeza mixed and sown broadcast,
 April 20, 1942. Covered lightly with drag harrow. Potash broadcast in early summer after sod established.
 Fertilizer Used: 2 tons agri. lime per acre. 300 lbs. Superphosphate per acre.
 200 lbs. muriate of potash per acre. May, 1943 applied 300 lbs. of 3-9-6 per acre. Applied 150 lbs. potash per acre, 1945. 150 lbs. potash in 1946. 400 lbs. acid, 1946. 500 lbs. 4-10-6 in 1947. 500 lbs. 4-10-6 applied in 1948.
 Grasses Seeded: Sprigged with bermuda, Nov. 1-14-1941. 4 lbs. White Dutch clover per acre, Dec. 1, 1941 10 lbs. Dallis grass per acre Apr. 20, 1942.
 15 lbs. common lespedeza per acre, Apr. 20, 1942. Applied 10 lbs. Kobe lespedeza March 1, 1944. Ky. 31 Fescue February 19, 1948.
 Observations: Good stand of White Dutch clover. Excellent stand of Dallis, bermuda and lespedeza. Carried two animal or more units per acre for entire summer.

(2)

Name: H. D. Brown

Acres: 13.0

Year Started: 1941

Soil Type: Dunbar

PH Test: (1) Before--Topsoil 5.45; Subsoil 5.30

(a) After --Topsoil 6.50; Subsoil 5.00

Preparation: Fall 1941 - oats and vetch seeded in Fall and grazed. Mixed Dallis & common lespedeza. Seed & basic slag applied applied in 1 operation with grain drill & fertilizer attachment. Seeded White Dutch broadcast. Cultipacked.

Fertilizer Used: 700 lbs. basic slag per acre. June 3, 1943 applied 800 lbs. of 3-9-6 per acre. Applied 500 lbs. basic slag; 500 lbs. 3-9-9 in 1945. 150 lbs. Potash, 300 lbs. acid in 1946. 600 lbs. 5-10-5 in 1947. Applied 500 lbs. 4-10-6 in 1948.

Grasses Seeded: 4 lbs. White Dutch clover per acre, March 20, 1942. 10 lbs. Dallis grass per acre, March 20, 1942. 10 lbs. common lespedeza per acre, March 20, 1942. 2 lbs per acre of Ladino Clover February, 1948.

Observations: Good stand Dallis, lespedeza and White Dutch clover. Carried above two animals per acre entire summer. Grazed too heavy last part of season.

(3) Name: J. C. Heriot

Acres: 20.0

Year Started: 1941

Soil Type: Dunbar

PH Test: (1) Before--Topsoil 5.20; Subsoil 5.15

(2) After --Topsoil 6.5; Subsoil 5.5

Preparation: Spring, 1942, lime broadcast. Land disced. (Horse drawn disc) Harrowed (drag) harrow, White Dutch, Dallis and common lespedeza seeded broadcast, cultipacked.

Fertilizer Used: 1 ton agri. lime per acre, applied 400 lbs. 3-9-6 June 1943. 1 ton lime, 400 lbs. acid & 150 lbs. potash, 1946. 400 lbs. 4-10-6 in 1947. 600 lbs. 4-10-6 in 1948.

Grasses Seeded: 3 lbs. White Dutch clover per acre, March 25, 1942. 8 lbs Dallis grass per acre, March 25, 1942. 10 lbs. common lespedeza per acre, March 25, 1942. Rescue and Ladino clover 1948.

Observations: White Dutch Clover well scattered. Fair stand Dallis and good stand lespedeza. Carried about 2 cows per acre.

TVA Ammonium Nitrate: 95 tons of TVA ammonium nitrate were distributed to 51 farmers in Lee County to be used on permanent pastures and permanent grazing crops.

Sugar Cane

A campaign started in 1939 to encourage increased syrup production for home use has shown remarkable results. Many farm families are now producing enough syrup for home use and some to sell. In 1943 Coker Seed Company gave Lee County 8,000 stalks of CO-290 mosaic resistant sugar cane which was distributed among 12 farmers. These farmers gave their neighbors enough seed to start them a patch. By this good neighbor policy this variety of cane has scattered to every community in the county.

Sorghum For Syrup: The lighter more rolling section of the county produces almost entirely sorghum syrup.

Animal Husbandry

Animal husbandry extension work in Lee County in 1948 consisted mostly of educational work with swine and beef cattle. Considerable time was spent on the production and marketing of livestock with 4-H Club boys.

Swine

The program of demonstration work with hogs included the placing of sire, hog marketing and control of diseases. Also, of timely information through circulars and news articles.

Purebred Sires: 23 purebred boars were placed with farmers during the year as follows:

Name	No. Boars	Breed	Age	Cost
C. M. Minns	2	Poland China	10 mo.	\$ 820.00
M. G. McDowell	1	Poland China	5 mo.	140.00
Edward McDowell	1	Poland China	4 mo.	100.00
V. S. Goodyear	2	Poland China	6 mo.	225.00
R. B. Gentry	1	Poland China	12 mo.	150.00
D. D. Grant	1	Poland China	4 mo.	125.00
H. D. Brown	1	Poland China	12 mo.	100.00
C. B. Player	1	Poland China	4 mo.	100.00
T. A. Meyers	1	Duroc	3 mo.	50.00
Tracy Skinner	1	Duroc	3 mo.	40.00
H. M. Mozingo	1	Duroc	2 mo.	35.00
Ed. Baskin	1	Duroc	6 mo.	75.00
A. L. McCaskill, Jr.	1	Duroc	3 mo.	50.00
W. W. Atkinson	1	Duroc	4 mo.	60.00
Robert Prince	1	Berkshire	3 mo.	45.00
W. H. Shiver	1	Berkshire	5 mo.	65.00
W. R. Smith	1	Berkshire	3 mo.	35.00
H. W. Merck	1	Hampshire	2 mo.	30.00
W. M. Bell	1	Hampshire	2 mo.	60.00
W. W. Player	1	Minnesota # 1	3 mo.	40.00
R. A. Cousar	1	Minnesota # 1	18 mo.	125.00
TOTALS	23			\$2,470.00

Purebred Gilts Placed: 40 purebred gilts and sows were placed during the year as follows:

Name	No. Placed	Breed	Cost
C. M. Mimms	4	Poland China	\$ 1,035.00
M. G. McDowell	3	Poland China	710.00
Edward McDowell	1	Poland China	120.00
R. O. McCutchen	3	Poland China	422.00
C. B. Player	6	Poland China	480.00
Jack Player	1	Poland China	95.00
V. S. Goodyear	4	Poland China	470.00
R. B. Gentry	2	Poland China	265.00
T. A. Meyers	1	Duroc Jersey	130.00
Ed. Baskin	2	Duroc Jersey	215.00
Tracy Skinner	1	Duroc Jersey	90.00
W. W. Atkinson	1	Spotted Poland China	40.00
C. E. Watford	1	Spotted Poland China	40.00
W. R. Smith	1	Berkshire	40.00
V. S. Goodyear	2	Hampshires	300.00
Mrs. M. G. McDowell	1	Hampshire	150.00
W. M. Bell	1	Hampshire	140.00
A. L. McCaskill, Jr.	1	Hampshire	40.00
W. W. Player	1	Minnesota # 1	200.00
R. A. Cousar	1	Minnesota # 1	200.00
Johnnie O'Kelley	2	Minnesota # 1	80.00
Totals	40		\$5,218.00

Hog Marketing: The Lee County Livestock Association organized in 1937 is a farmer owned and controlled cooperative association. The association has a paid membership of 598 producers. The association makes a lifetime membership charge of \$1.00 and charges 1 percent commission for handling. The County Agent serves the association in a supervisory capacity, including training graders, and contacting buyers. In March 1948 the association affiliated with the local Farmers Cooperative Exchange to handle the marketing of hogs, and this transaction relieved the county agent of the responsibility of marketing hogs. However, he still serves in an advisory capacity as to marketing and grading.

Following is a summary of cooperative hog marketing from 1938 through 1948:

Year	No. Shippers	Total Weight	Net Returns
1938	285	293,657	\$ 23,738.73
1939	723	810,365	53,206.80
1940	564	632,107	33,703.28
1941	590	594,010	48,046.98
1942	777	758,413	91,308.28
1943	487	470,955	64,062.53
1944	502	517,160	63,657.15
1945	598	512,995	71,613.47
1946	144	163,420	23,273.89
1947	330	331,985	75,452.82
1948	383	321,716	73,059.15
Totals	5,383	5,406,783	621,123.08

Miscellaneous: The county agent assisted 284 farmers in securing the services of a veterinarian to vaccinate 3,747 hogs against cholera during the year.

Beef Cattle

Beef cattle work during the year consisted mainly of timely information on management problems and assisting in securing breeding animals, steers for feeding and control of external and internal parasites.

Beef Bulls Placed: 6 purebred bulls were placed in the county during the year as shown below:

Name	No. Bulls	Breed	Cost
Ed. Baskin	1	Shorthorn	\$ 145.00
V. C. Caughman	1	Hereford	300.00
B. J. Barnett	1	Shorthorn	240.00
W. H. Shiver	1	Hereford	650.00
S. C. Heriott	1	Hereford	350.00
R. B. Gentry	1	Hereford	285.00
Totals	6		\$1,970.00

Beef Cows and Heifers Placed: The following beef cows and heifers were placed with the assistance of county agent:

Name	Number	Breed	Cost
Ed. Baskin	9	Hereford	\$ 1,640.00
V. C. Caughman	1	Hereford	395.00
B. J. Barnett	6	Hereford	1,310.00
W. H. Shiver	5	Hereford	1,750.00
J. C. Heriott	2	Hereford	600.00
Totals	23		\$ 5,695.00

Steers Placed: The following steers were placed with 4-H Club Boys:

Name	Number	Breed	Cost
Billy Boykin	1	Hereford	\$ 125.00
Joe Chewning	1	Hereford	125.00
John McCoy	1	Hereford	124.00
Totals	3		\$ 374.00

The following cattle were sold at the Pee Dee Fat Stock Show and Sale through the assistance of county agent:

Name	Number	Amount
Edward McDowell	1	\$ 220.80
Dick Heriot	2	212.76
Totals	3	\$ 433.56

Dual Purpose Cattle: The Milking Shorthorn herd of cattle continues to be popular with several farmers of the county. 7 farmers of the county have registered Milking Shorthorn Cattle.

The following Shorthorn were sold at Florence Fat Stock Show:

Name	Number	Amount
J. R. Logan	2	\$ 220.00
C. A. Vincent	2	370.00
A. V. McElveen	1	140.00
R. M. Prince	5	1,110.00
Total	10	\$ 1,840.00

DAIRYING

The Extension work in dairying for 1948 included encouragment to farmers to obtain family cows where none were owned. This encouragement was offered through timely news articles, circular letters and farm visits as well as through organized voluntary committee members.

Sale of Dairy Cattle: One dairyman was assisted in fitting and selling 10 cows in the State Guernsey Sale and 3 in other Guernsey sales.

The following dairy bulls were placed with dairymen in the county with assistance of county agent:

Name	Number	Breed	Age	Cost
R. M. Prince	1	Jersey	9 mo.	\$ 500.00
W. M. Hastie	2	Guernsey	2 mo.	220.00
H. D. Brown	1	Guernsey	18 mo.	350.00
J. M. Parkman	1	Guernsey	11 mo.	120.00
R. E. McLendon	1	Guernsey	11 mo.	650.00
Total	6			\$ 1840.00

The following purebred dairy cows and heifers were placed in the county with the assistance of county agent:

Name	Number	Age	Cost
Brodus Stokes	1	19 mo.	\$ 155.00
H. W. Woodward	1	cow	175.00
Frank Berry	1	cow	125.00
Grady Smith	2	cows	375.00
Robert Prince	5	heiffers	475.00
H. D. Brown	10	heiffers & cows	2,165.00
Totals	20		\$ 3,470.00

Miscellaneous: Several farmers planted pearl millet for temporary grazing and 61 planted winter grazing pastures.

Permanent Pastures: Permanent pasture work was discussed under agronomy, this report.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology in 1948 consisted of educational work in control of crop diseases and insects.

Dust Treatment of Cottonseed: Educational releases through news columns were made and several farmers were assisted in locating mercury dust for treatment of home grown seed. This is now a general established practice. Fully 98% of the cotton planted is now treated with mercury dust to control damping-off and other seed born diseases.

Boll Weevil Control: The cotton insecticide program in the county was given much publicity through news articles, circular letters and many farm visits. An estimate of 1300 farmers used EHC, chloronated camphene and chlordane, and approximately 23,000 acres of cotton were thus treated. The poisons used were most effective when proper and timely applications were applied. The campaign to encourage cotton stalk destruction was continued in 1948. Approximately 5,000 acres of cotton were defoliated with aero dust.

Bill Bug Control: Farmers in the bill bug area of the county are doing a good job of controlling by rotating their corn fields as far away from the previously planted fields as possible, and by using more fertilizer at planting time and quick cultivation.

Miscellaneous: The following activities were carried out in reference to controlling insects and diseases:

<u>Insects and Diseases</u>	<u>Office Calls</u>
Small grain weevils	13
Pea weevils	6
Boll weevils	1200
Bean beetle	28
Cabbage worm	14
Irish potato bug	10
Harlequin bug	58
Blister beetle	41
Grass hoppers	7
Cut worm	14
Mole cricket	3
Red spider	14
Bed bugs	3
Fleas	147
Cockroaches	34
Termites	12
Tomato worms	28
Corn ear worm	9
Poultry lice	64
Poultry rouse	19
Range paralysis	21
Coccidiosis	27

Insects and Diseases Con't	Office Calls
Worms and parasites in poultry	27
Peanut diseases	3
Sweet Potato diseases	4
Nematodes	12
Peach borer	31
Cholera	321
House fly	1200
Cattle lice	35
New Castle Disease	9

The following general news articles and circulars were issued during the year on insects and diseases:

<u>Item</u>	<u>Number</u>
News articles	21
Circular letters	2

Cattle Lice Control: 35 farmers were assisted in obtaining dust mixed according to the extension formula and advised as to correct method of use. All farmers reported completely successful results. 6 herds of cattle were sprayed with DDT, giving very good results.

Rodents: The county agent cooperated with the Health Department and Bishopville city officials in continuing the rat campaign. 2 farmers were assisted in obtaining a foot pump and 10 lbs. of Synogas to control burrowing rats. Numbers of farmers and town people were advised as to the use of poison in rat control. The Extension Service in cooperation with the County Health Department mixed and distributed 1,350 lbs. of rat poison to 431 farmers. The campaign was very effect in the control of rats.

Peach Insect Control: 4 method demonstrations were given in the use of Paradichlorobenzene in root borer control.

Beekeeping

Extension work in beekeeping consisted of advice to individual beekeepers and educational material through news releases. 1 re-queening demonstration was conducted.

FORESTRY

Forestry extension work in 1948 included educational work through news articles and circulars and cooperation in fire control work.

Planting: The county agent cooperated with the Soil Conservation Service and the county Forest Protective Association in promoting the planting of trees.

There were 71,000 trees ordered through county agent's office and set by farmers.

Planting Demonstration: One planting demonstration, was held with 34 farmers attending.

Marketing: In connection with the general woodland management program, essentials of intelligent timber marketing were stressed. 7 farmers were able to sell their timber at considerable more than their original offer after having their woodslot estimated by a forestry service employer secured through co-operation of the county agent. Several other farmers were advised in timber and pulpwood cuttings.

Fire Protection: The county agent served as a member of the board of directors of the Lee County Forest Protective Association. The annual meeting was attended and active support rendered to the Association in every way possible.

One farmer entered and completed the 5-Acre Pulpwood Thinning Contest.

4-H CLUB WORK

There were seven 4-H Clubs for boys organized and conducted in Lee county in 1948. One Miscellaneous Club was organized with members who could not attend the school clubs and who were contacted individually and met at infrequent intervals. The total enrollment of these clubs amounted to 155 boys. 43 meetings were held with a total attendance of 747. A 4-H Rally Day was held with 165 members of the County Council in attendance. Numerous prizes and certificates were awarded and new County Council officers were elected. 305 members attended 4-H Club Day at the County Fair to participate in a program where prizes for achievement were awarded and contests held. This program was sponsored by the Bishopville Kiwanis Club.

An Officers Training meeting was held where every club was represented by one or more of its officers.

Summary of Enrollment and Completions: The following is a list of 4-H Clubs in the county with completions by clubs:

Name of Club	Number Members Enrolled	Number Completed Demonstrations	Percent Members Completing Dems.
Ashwood	28	26	92.9
Bishopville	9	10	100
Central	39	6	15.3
Lucknow	12	10	83
Lynchburg Grammar	20	16	80
Lynchburg High	22	20	91
Miscellaneous	25	18	72
Totals	155	106	68.4

Following is a Summary of Enrollment and Completions 1939 through 1948:

Year	Enrollment	Completions
1939	135	81
1940	139	119
1941	118	109
1942	100	52
1943	86	42
1944	94	54
1945	98	59
1946	102	45
1947	147	84
1948	155	106
Totals	1,174	750

The following 4-H Club members started demonstrations, 106 of which were carried through to completion, in addition to entering into other group undertakings of 4-H Club members in the county:

ASHWOOD CLUB

John Houser, Jr.
Marion Watts
Jim Ed. Scurry
Grady Elmore
David A. Houser
Donald Grant
Robert Humphries
Quitman LeGrand
Edwin Hayes
Lewis Jackson
Charles Elmore
Billy Pace
Julian Nesbit
Bingham Davis, Jr.
John Brewer Kelley
Johnson Humphries
Donnie Smith
Alvin Jamerson
Buddy Jackson
Thomas Hayes
Billy Layton
Jack Lollis, Jr.
Larry Bramlett
Clinton Blankenship
Roby DuBose Truesdale
Charles L. Moore
Thomas LeGrand
Donald Watford

R-3, Bishopville, S. C.
R-1, Bishopville, S. C.
R-2, Bishopville, S. C.
R-2, Oswego, S. C.
R-3, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Oswego, S. C.
R-3, Bishopville, S. C.
R-1, Oswego, S. C.
R-1, Bishopville, S. C.
R-3, Bishopville, S. C.
R-1, Oswego, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville, S. C.
R-1, Oswego, S. C.
R-1, Dalzell, S. C.
R-1, Bishopville, S. C.
R-3, Bishopville, S. C.
R-1, Oswego, S. C.
R-1, Oswego, S. C.
R-3, Bishopville, S. C.
R-1, Oswego, S. C.
R-1, Bishopville, S. C.
R-1, Bishopville
R-1, Bishopville, S. C.
R-1, Oswego, S. C.

BISHOPVILLE CLUB

Lavern McCaskill
Cecil McLeod, Jr.
Bobby Wilson
Benry Ray
Edward McDowell
Harold White
Jackie Andrews
Bobbie Peoples
Eugene Matthews

R-4, Bishopville, S. C.
Elliott, S. C.
R-2, Bishopville, S. C.
R-3, Bishopville, S. C.
Elliott, S. C.
R-1, Camden, S. C.
R-3, Bishopville, S. C.
Elliott, S. C.
Elliott, S. C.

Central CLUB (Grammar)

Sam McCutchen
Vance Thompson
Joe Ellington
Brodus Stokes
Albertus Williams
Lewis Frady
John Moore
W. D. Bell, Jr.

R-1, Rembert, S. C.
R-1, Bishopville, S. C.
R-1, Rembert, S. C.
R-1, Camden, S. C.
R-1, Camden, S. C.
R-1, Dalzell, S. C.
R-1, Dalzell, S. C.
R-1, Dalzell, S. C.

Hayneswood Holloman
Elbert Hancock
Billy Hatfield
Talbert Johnson
Bobby Jean Hinson
Russel Dyson

Central Club
(High)

Chas. W. King
Olin Holloman
Billy Boykin
Eulis McCaskill
John F. Hancock
Charles F. Croft
Wade Stokes
Olin Lee
Bobby Joyner
Joe Chewning
Virgil Joyner
Olin Stokes
Deveron McGee
Fred Hancock
Ernest Bell
Lloyd Frady
Olin Huggins
Warren Lee
LeRoy Arledge
Curtis Jackson
Charles Catoe
Horace Pate
Lee Medlin
Paul Watson
George Arledge

R-1, Bishopville, S. C.
R-1, Rembert, S. C.
R-1, Rembert, S. C.
R-1, Camden, S. C.
ROI, Dalzell, S. C.
R-1, Camden, S. C.

LUCKNOW CLUB

Terry Hancock
Esther Price
Lois Hall
Robert Reynolds, Jr.
Gary Hall
Elisha Stephens
Manus Tisdale
Robie J. Farmer
Dwight Hall
Elvin Price
Wilford Boone
Clarence Tisdale

R-2, Cassatt, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-4, Bishopville, S. C.
R-2, Cassatt, S. C.

LYNCHBURG GRAMMAR CLUB

Robert Clements	Lynchburg, S. C.
Harold Stewart	Lynchburg, S. C.
James Barfield	Lynchburg, S. D.
Kent Tayler	R-2, Lynchburg, S. C.
John Henry Bell	Atkins, S. C.
Robert E. Lyles	Elliott, S. C.
Blaney Brunson	R-1, Lynchburg, S. C.
Rufus Land	Lynchburg, S. C.
Ellison Smith	Lynchburg, S. C.
Bobbie Jenkinson	R-2, Lynchburg, S. C.
Robie McElveen	Lynchburg, S. C.
Johnnie Hudgens	Lynchburg, S. C.
Coley Powell	Lynchburg, S. C.
Everett Lewis	Lynchburg, S. C.
Dickie Hickson	Lynchburg, S. C.
Roosevelt Atkinson	Lynchburg, S. C.
Rudell Robinson	R-1, Lynchburg, S. C.
Mickey Ingram	Atkins, S. C.
Frank Beasley	R-2, Lynchburg, S. C.
Herbert Nesbit	Atkins, S. C.

LYNCHBURG HIGH CLUB

Robert Prince	Lynchburg, S. C.
Marion Stewart	Lynchburg, S. C.
Ronald Houser	Lynchburg, S. C.
Roy E. Hudgens, Jr.	Lynchburg, S. C.
Jack Pendarvis	Lynchburg, S. C.
J. Lavan Watford	R-1, Lynchburg, S. C.
Robert McKnight	Lynchburg, S. C.
Manuel Lane	Lynchburg, S. C.
LeRoy Powell	Lynchburg, S. C.
Sonny McElveen	Lynchburg, S. C.
J. P. Windham	Lynchburg, S. C.
Gary Chandler	Lynchburg, S. C.
Adville Atkinson	Elliott, S. C.
William Jeffords	Elliott, S. C.
Jack McClam	Lynchburg, S. C.
Lloyd Jackson	Elliott, S. C.
Ronald Ackerman	Lynchburg, S. C.
Wayne Carmichael	Lynchburg, S. C.
Hugh Stokes	Lynchburg, S. C.
Jimmy Pendarvis	Lynchburg, S. C.
Foster Chandler	Lynchburg, S. C.
J. B. Windham	Lynchburg, S. C.

MISCELLANEOUS CLUB

Richard Heriot
 Billy Heriot
 Joe Heriot
 Johnny O'Kelley
 Marvin Windham
 Dale Player
 Mackie Peoples
 W. C. McLeod
 Jessie McLeod
 Lloyd Atkinson
 Gordon Baker
 John McCoy
 Charles Grant McCoy
 Mayo Hyatt
 Richard McCaskill
 Wilson Barnes
 Barby McCathern
 McCoy Brown
 Harold Gainey
 Reynolds Logan
 Farrell Smith
 Henry C. Broadway
 Spencer LeGrand
 Carl Watts
 Thomas Boone

R-2, Dalzell, S. C.
 R-2, Dalzell, S. C.
 Dalzell, S. C.
 R-2, Bishopville, S. C.
 R-2, Bishopville, S. C.
 Elliott, S. C.
 Elliott, S. C.
 Elliott, S. C.
 Elliott, S. C.
 R-3, Bishopville, S. C.
 R-3, Bishopville, S. C.
 R-3, Bishopville, S. C.
 R-1, Mayesville, S. C.
 R-2, Cassatt, S. C.
 R-4, Bishopville, S. C.
 R-1, Oswego, S. C.
 R-2, Dalzell, S. C.
 R-3, Bishopville, S. C.
 R-1, Bishopville, S. C.
 R-3, Bishopville, S. C.
 R-1, Bishopville, S. C.
 R-1, Bishopville, S. C.
 R-1, Oswego, S. C.
 R-1, Bishopville, S. C.
 R-1, Bishopville, S. C.

4-H Club Camp: Some twenty-five 4-H club boys enjoyed a week of camping at Camp Bob Cooper. In addition to entering into all the athletic contests and taking advantage of the recreational facilities of the camp these clubsters took time to learn something of tractor operation and maintenance, care and use of firearms and other worthwhile subjects taught at camp.

Snapshot below is of Lee County 4-H group at Camp Bob Cooper



Fat Stock Show & Sale: Ten Lee County 4-H Club members exhibited 3 fat steers and 120 fat barrows at the Florence Fat Stock Show and Sale. The three steers graded medium while 69 hogs graded choice, 45 graded good and 6 graded medium. Following is a summary showing the boys, number of livestock and prices including premiums received:

Name	Number	Type Animal	Amount of Sale
Richard M. Heriot	2	Hereford steers	\$ 212.76
Edward McDowell	1	Hereford steer	220.80
Edward McDowell	20	Fat barrows	950.78
A. L. McCaskill	49	Fat barrows	1,907.45
Buddy Jackson	15	Fat barrows	714.41
Robert McKnight	4	Fat barrows	159.19
Billy Boykin	5	Fat barrows	271.21
Reynolds Logan	4	Fat barrows	201.79
Dale Player	4	Fat barrows	207.23
John O'Kelley	9	Fat barrows	445.46
D. B. McCathern	10	Fat barrows	457.50
Totals	123		\$ 5,748.58

Below are 2 snapshots of 4-H Clubster preparing barrows for fat stock show and sale.



County Fair Exhibits: Nineteen 4-H club members placed 103 exhibits in the Lee County Fair. These exhibits included, corn, hay, sweet potatoes, vegetables, poultry, swine, beef and dairy animals, tobacco, peanuts and pecans. Twelve of these clubsters with 87 exhibits received awards for their placings. They are as follows:

Name	Number of entries	Premiums
Marion Stewart	2	\$ 5.00
Edward McDowell	40	291.00
Henry Broadway	1	3.00
A. L. McCaskill, Jr.	26	132.50
Manuel Lane	2	4.00
Reynolds Logan	1	1.50
Farrel Smith	9	12.00
Brodus Stokes	1	12.50
Joe Chewning	1	12.50
Billy Boykin	1	15.00
Spencer LeGrand	1	2.50
J. Lavan Watford	2	3.00
Totals	87	\$ 494.50

Sumter County Fair: 1948 marked the second showing of a Lee County Dairy Calf Club in the Sumter County Fair. One member showed a heifer which was placed in the blue ribbon group.

State Fair Exhibits: One corn exhibit was made by one club member from Lee County. With this exhibit of ten ears of yellow corn he won a blue ribbon and was declared sweepstakes winner.

One Lee County 4-H Club boy made the following entires in the Swine Show held at the State Fair:

Name	Entry	Placing	Premium
Edward McDowell	Jr. yearling boar	1st	\$ 8.00
(Open)	Ages sow	1st	8.00
	Sr. yearling sow	1st	8.00
	Aged herd	1st	8.00
Edward McDowell	Jr. yearling boar	1st	5.00
(4-H Class)	Sr. boar pig	2nd	4.00
	Jr. boar pig	2nd & 3rd	7.00
	Aged sow	1st	5.00
	Sr. yearling sow	1st	5.00
	Jr. yearling sow	1st	5.00
	Sr. sow pig	1st	5.00
	Jr. sow pig	1st & 3rd	8.00
Totals		14 Placings	\$ 76.00

Two Lee County 4-H Club boys made the following entries in the Dairy Show held at the State Fair:

Name	Exhibit	Placing	Premium
A. L. McCaskill, Jr. (Open)	Bull Sr. yearling	1st Jr. Champion Sr. Champion Grand Champion	\$ 15.00 Rosette Rosette Rosette
A. L. McCaskill, Jr. (4-H Club)	Heiffer, Jr. calf cow, 2 years & under 3	No placing 4th	 6.00
Brodus Stokes (4-H Club)	Heiffer, Sr. yearling	4th	6.00
Totals	4 exhibits		\$ 27.00

District Brood Sow and Litter Contest: The following named boys were enrolled in the District Brood Sow and Litter Contest for 1948:

Henry Broadway
McCoy Brown
Wilson Barnes
Billy Layton
Farrel Smith
Brodus Stokes
Laverne McCaskill

Sweet Potato Club: Lee County entered the State Sweet Potato Contest in 1948 with six 4-H members. This project was not carried to completion due to early high prices and desire of boys to sell their crop green.

Following is a list of the 4-H Club members which entered this contest:

Edward McDowell
J. Lavan Watford
Donald Watford
Thomas Boone, Jr.
A. L. McCaskill, Jr.
Spencer LeGrand

Special 4-H Events: The following boys received valuable prizes awarded by the Bishopville Kiwanis Club at an Achievement Day Celebration sponsored and staged by the Kiwanis Club at the Lee County Fair:

Name	Basis For Award
Edward McDowell	Achievement winner
A. L. McCaskill, Jr.	2nd. place achievement winner

At this time the following announcements were made as to county achievement awards for 1948:

Name	Award
A. L. McCaskill, Jr.	District Class B Dairy Production County field crop County meat animal
R. E. Hudgens	County poultry winner
Harold Stewart	County garden winner

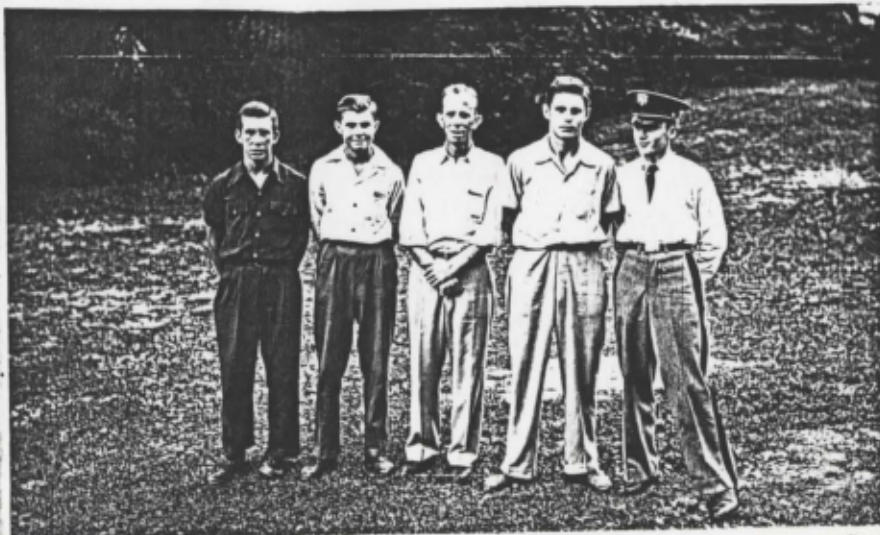
State 4-H Club Champion: Edward McDowell won the State Meat Animal contest in 1948. The picture following shows Edward receiving the prize, which was a gold engraved watch, from Mr. J. T. Lazar, District Agricultural Agent.



Dairy Calf Club: While the Lee County Calf Club members have increased their number of animals considerably only one new member with one heifer has been added to the club. The club now has 4 members with 14 animals.

Dairy and Livestock Judging Team: Lee County produced a Dairy Cow and Livestock Judging Team in 1948. The Dairy Judging Team was declared State Champion and as such entered the National Judging Contest in Columbus, Ohio. This team placed 5th out of 18 4-H Club Teams in the nation and Richard Heriot, one of it's members ranked 8th in the nation individually.

Following is a picture of the 1948 Lee County Dairy Judging Team and Coach.



4-H Club Records: Following is given a summary of 4-H Club records completed in 1948 according to enterprise:

Pig Fattening Club

Name of Member	Number Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Edward McDowell	20	31	868	\$ 949.36	\$ 560.60	\$ 388.76
Billy Pace	6	104	838	263.74	199.50	64.24
Dickie Hickson	1	200	125	30.00	27.25	2.75
Rondell Robinson	3	88	225	60.00	49.25	10.75
Dale Player	4	95	504	203.15	158.40	44.75
Buddy Jackson	15	78	1125	700.40	546.85	153.55
Darby McCathern	10	55	620	448.54	357.50	91.04
Johnnie O'Kelley	9	50	473	436.71	409.50	27.21
A. L. McCaskill, Jr.	69	75	7691	3000.22	2398.00	602.22
Reynolds Logan	4	41	246	194.03	157.35	36.68
Harold Gainey	1	35	39	51.00	37.00	14.00
Farrel Smith	3	59	236	148.20	135.70	12.50
Henry C. Broadway	3	73	291	132.94	114.19	18.75
Spencer LeGrand	3	57	205	137.92	115.50	22.42
Jim Ed. Scurry	1	40	35	45.60	39.40	6.20
Robert Humphries	1	70	86	50.00	25.00	25.00
Bingham Davis, Jr.	1	60	65	50.00	38.40	11.60
Johnson Humphries	1	80	90	49.50	42.30	7.20
Grady Elmore	1	105	118	55.00	38.30	16.70
Roby Truesdale	5	75	413	227.50	165.75	61.75
Billy Boykin	5	90	562	265.88	217.63	48.25
Olin Stokes	8	60	528	343.20	228.56	114.64
Robert McKnight	4	103	373	156.07	148.50	7.57
Foster Chandler	1	58	65	44.30	40.00	4.30
Ellison Smith	1	60	70	39.75	35.50	4.25
Jack Lollis, Jr.	1	50	70	41.50	33.00	8.50
Larry Bramlett	1	50	55	37.50	34.30	3.20
Gary Hall	2	65	119	75.00	46.00	29.00
Manus Tisdale	1	40	36	43.50	36.00	7.50
Wilford Boone	1	30	25	35.00	28.00	7.00
Clarence Tisdale	1	43	40	39.40	30.00	9.40
Totals	187			\$8,354.91	\$6,493.23	\$1,861.68

Dairy Calf Club

Name	Number Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Broodus Stokes	1	256	200	\$ 300.00	\$ 191.00	\$ 109.00
Robert McKnight	2	365	400	400.00	295.00	105.00
A. L. McCaskill, Jr.	2	365	350	841.50	412.55	428.95
Robert Prince	5	303	1500	4,407.40	3,340.29	1,067.11
Totals	10			\$5,948.90	\$4,238.84	\$1,710.06

Garden Club

Name of Members	No. Acres	Yield Bu.	Total Value	Total Cost	Profit
Ronald A. Houser	$\frac{1}{2}$	74 $\frac{1}{2}$	\$ 211.75	\$ 45.25	\$ 166.50
Wade Stokes	1	95	177.00	30.90	146.10
Coley Powell	$\frac{1}{4}$	66	168.00	35.00	133.00
Jack Pendarvis	$\frac{1}{8}$	23	54.50	19.50	35.00
LeRoy Powell	$\frac{1}{8}$	19	38.75	8.50	30.25
Gary Chandler	$\frac{1}{8}$	15	30.00	8.75	21.25
Jimmy Pendarvis	$\frac{1}{16}$	6	11.50	4.30	7.20
Wayne Carmichael	$\frac{1}{8}$	22	43.00	11.00	32.00
John Houser, Jr.	$\frac{1}{2}$	85	183.00	54.00	129.00
David A. Houser	$\frac{1}{4}$	83 qts.	41.31	11.80	29.51
Donald Watford	$\frac{1}{8}$	32	61.50	29.75	31.75
A. L. McCaskill, Jr.	$\frac{1}{2}$	47	115.00	37.50	77.50
Spencer LeGrand	$\frac{1}{4}$	18	50.50	31.00	19.50
Terry Hancock	$\frac{1}{8}$	13	21.00	5.60	15.40
Esther Price	$\frac{1}{4}$	25	44.30	21.50	22.80
Lois Hall	$\frac{1}{4}$	27	40.00	22.00	18.00
Robert Reynolds, Jr.	$\frac{1}{2}$	50	111.50	46.00	65.50
Elvin Price	$\frac{1}{2}$	73	165.00	58.00	107.00
Totals	5 9/16		\$ 1,567.61	\$ 480.35	\$ 1,087.26

Poultry Club

Name of Member	Strong Chicks Bought or Hatched	Total Value	Total Cost	Total Profit
Everet Lewis	50	\$ 57.50	\$ 31.50	\$ 26.00
Dickie Hickson	40	50.00	28.60	21.40
Roy Hudgens, Jr.	50	46.00	35.55	10.45
Johnny Hudgens	50	46.00	34.85	11.15
Lloyd Atkinson	50	57.00	33.50	23.50
Marion Watts	100	96.00	71.00	25.00
Grady Elmore	50	53.50	31.75	21.75
Chas. Elmore	50	49.50	35.00	14.50
Alvin Amerson	50	54.00	37.50	16.50
Robert Clements	100	103.50	68.50	35.00
Harold Stewart	100	114.00	59.90	54.10
Totals	690	727.00	467.65	259.35

Cotton Club

Name	No. Acres	# Seed Cotton	Lbs. Lint	Total Value	Total Cost	Total Profit
J. B. Windham	1	1150	402	\$ 152.29	\$ 69.00	\$ 83.29
Marion Stewart	5	6300	2205	835.05	493.00	342.05
Totals	6	7450	2607	987.34	562.00	425.34

Sow and Litter Pig Club

Name of Member	No. Pigs Farrowed	No. Pigs Raised	Total Value	Total Cost	Profit
Sam McCutchen	8	6	\$ 140.00	\$ 63.50	\$ 76.50
A. L. McCaskill, Jr.	9	8	355.00	61.05	293.95
Edward McDowell	78	71	3530.00	2110.00	1420.00
Brodus Stokes	9	7	290.00	118.50	171.50
Farrel Smith	9	7	290.00	135.50	154.50
Henry Broadway	7	6	270.00	143.00	127.00
McCoy Brown	6	5	180.00	121.00	29.00
Wilson Barnes	5	4	135.00	94.50	40.50
Robert McKnight	7	6	220.00	117.00	103.00
J. Lavan Watford	11	8	210.00	148.00	62.00
Richard McCaskill	12	8	215.00	110.75	104.25
Robie McElveen	7	5	110.00	79.50	30.50
Totals	168	141	5,915.00	\$3,302.30	\$ 2,612.70

Corn Club

Name of Member	No. Acres	Yield Bu.	Total Value	Total Cost	Profit
Frank Breasley	1	54	\$ 81.00	\$ 27.75	\$ 53.25
Edward McDowell	5	372	558.00	173.80	384.20
John Henry Bell	1	25	37.50	18.00	19.50
Kent Tyler	1	35	52.50	23.00	29.50
Rufus Lane	1	25	37.50	25.00	12.50
J. P. Windham	1	20	30.00	17.50	12.50
Adville Atkinson	1	20	30.00	19.00	11.00
Harold Gainey	1	31	46.50	29.50	17.00
Reynolds Logan	2	82	123.00	78.00	45.00
Carl Watts	1	18	27.00	20.00	7.00
Thomas LeGrand	1	27	40.50	21.50	19.00
Quitman LeGrand	1	25	37.50	21.50	16.00
Totals	17	734	\$1101.00	\$474.55	\$626.45

Sweet Potato Club

Name of Member	No. Acres	Yield Bu.	Total Value	Total Cost	Profit
J. Lavan Watford	1	225	\$ 308.75	\$ 149.70	\$ 159.05
Billy Pace	1	160	320.00	114.00	206.00
Edward McDowell	1	365	551.25	198.65	352.60
A. L. McCaskill, Jr.	1	312	393.50	247.35	146.15
Donald Watford	1	275	287.50	136.70	150.80
Thomas Boone, Jr.	1	305	375.00	212.60	162.40
Robert McKnight	$\frac{1}{2}$	168	223.80	85.70	138.10
Marion Stewart	$\frac{1}{2}$	145	211.50	97.50	114.00
Jack McClam	$\frac{1}{2}$	136	147.00	83.45	63.55
Totals	7 $\frac{1}{2}$	2,091	\$ 2,818.30	\$ 1,325.65	\$ 1,492.65

Calf Beef Club

Name of Member	No. of Animals	Days Fed	Gain in Weight	Total Value	Total Cost	Profit
Edward McDowell	6	280	2250	\$ 1541.28	\$ 1050.00	\$ 491.28
Dick Heriot	2	60	235	212.76	187.50	25.26
John McCoy	1	120	250	165.00	135.00	30.00
Totals	9	460	2735	\$ 1919.04	\$ 1372.50	\$ 546.54

Peanuts

Name of Member	Acres	Lbs. Yield	Total Value	Total Cost	Profit
Mayo Hyatt	1	1750	\$161.25	\$86.50	\$74.75

PIG BREEDING CLUB

Name of Member	No. of Animals	Days Fed	Gain in Wt.	Total Value	Total Cost	Profit
Billy Layton	1	365	91 lbs.	\$ 60.00	\$ 56.50	\$ 3.50
Julian Nesbit	1	20	15 lbs.	35.00	34.20	.80
Darby McCathern	1	180	270 lbs.	125.00	70.00	55.00
Totals	3	565	376 lbs.	\$ 220.00	\$ 160.70	\$ 59.30

HORTICULTURE

Extension work in Horticulture in Lee County during 1948 included demonstrations in home garden, sweet potatoes and home orchards.

Gardens: Educational material on garden culture was given through news articles and circular letters, and personal contacts. 21 news articles and 3 information letters and 31 farm visits were made during the year.

Sweet Potatoes: Sweet potato work in 1948 included hotbed demonstrations, production and harvesting demonstrations, assistance in selection and marketing.

Fire Heated Hotbeds: Three fire heated hotbed demonstrations were completed. A summary follows:

Name	No. Beds	Size of Bed	Bushels Bedded	Date Bedded	Date Pulled	No. Plants Produced
J. E. DuRant	1	7½ x 45	32	3/12/48	4/4/48	140,000
Ralph Bell	4	14 x 60	480	2/28/48	3/28/48	931,000

Manure Heated Hotbeds: The following records were obtained on 2 manure heated hotbeds in 1948:

Name	No. Beds	Size of Bed	Bushels Bedded	Date Bedded	Date Pulled	No. Plants Produced
J. E. DuRant	1	6' x 18'	12	3/12/48	3/28/48	78,000
J. E. McCutchen	1	6' x 30'	70	3/4/38	4/21/48	125,000

Electric Heated Hotbeds: Records were obtained on the operation of 3 electric heated hotbeds in 1948. Following is a summary:

Name	No. Beds	Size of Bed	Bushels Bedded	Date Bedded	Date Pulled	No. Plants Produced
R. B. Gentry	1	6' x 60'	70	3/8/38	4/16/48	120,000
Ralph Bell	1	6' x 60'	70	2/28/48	4/2/48	145,000
C. B. Player	2	6' x 40'	115	2/22/48	4/2/48	184,000

Sweet Potato Demonstraions: Two sweet potato enterprise demonstrations were completed with the following results:

Name	No. Acres	No. Bu. Produced and Sold	Value	Cost	Profit
J. E. DuRant	1	550	\$ 952.50	\$ 374.25	\$ 578.25
C. B. Player	4	1072	1340.00	535.00	805.00

Cucumber Demonstrations: One cucumber enterprise demonstration record was completed with the following results:

Name	No. Acres	Total Pounds Produced	Value	Cost	Profit
L. E. Watford	1½	6,000	\$241.25	\$ 153.25	\$ 88.00

Sweet Potato Marketing: Assistance was given producers in harvesting, grading, and marketing. Several harvesting and grading demonstrations were given. A large number of growers were advised and assisted in marketing sweet potatoes through two local markets who accept potatoes every day during the season in both large and small lots, and also 3 out of county buyers. Encouraged farmers to dehydrate their culls for livestock feed.

Miscellaneous: The following trees, etc. were ordered cooperatively by the county agent for farm people in the county:

24 farmers	165 fruit and nut trees
5 farmers	400 tulip bulbs

Pruning Demonstrations: 7 method demonstrations were conducted and periodic news releases were issued giving advice as to proper care of orchard.

MARKETING

Extension work in marketing for 1948 consisted of grading, packing and aiding farmers in cooperative buying and selling.

Grading and Packing: With the assistance of marketing specialists, the agents have worked closely in encouraging farmers of the county to improve the grade and pack of products as a stimulant to heavier demand. Method demonstrations were given when practical, and farmers encouraged at meetings and through circular letters and news articles.

Inspection Work: Sweet potatoes purchased in car and truck lots by out of county individual buyers were inspected and marketed from the county with assistance of state marketing specialist when requested.

Marketing: The county agent served the Lee County Livestock Association in an advisory capacity and supervised the cooperative assembling, grading and selling of hogs. The agent also served at various times during the year in bringing buyer and seller together. During 1948 the agent helped the Association start in handling feeds and seed cooperatively, and assisted in the affiliation with the Farmers Cooperative Exchange.

On the following page is a summary of cooperative marketing work carried on with the assistance of county agents during the year:

Summary Marketing Work 1948

Product	Quantity	Bought	Sold
Hogs (meat)	1860 head	\$ 1,397.50	\$ 78,845.50
Hogs (breeding)	142 head	7,732.00	5,309.00
Beef Cattle (meat)	76 head	374.50	13,624.56
Beef Cattle (breeding)	40 head	7,665.00	2,235.00
Poultry (including turkeys)	6350 pounds		2,540.00
Shell Eggs	3100 dozen		1,550.00
Hatching Eggs	431 dozen		2,801.50
Baby Chicks	4000 head	600.00	
Dairy Cattle	32 head	3,470.00	4,100.00
Milk	116,800 pounds		8,468.00
Sheep, Lambs, etc.	10 head		30.00
Horses & Mules	4 head	900.00	
Queen Bees	3 head	7.50	
Sweet Potatoes	11,398 bushels		18,806.70
Vegetable Crops	121 tons		4,235.00
Corn (feed)	22,240 bushels		44,480.00
Corn (seed)	130 bushels	577.50	337.50
Cotton	674 bales		101,100.00
Cottonseed	307 tons	2,350.00	22,875.00
Wheat	3,920 bushels		9,800.00
Oats	15,400 bushels		15,400.00
Rye	2,600 bushels	10,010.00	
Barley	85 bushels	340.00	
Peanuts	19 tons		4,104.00
Beans (velvet or soy)	406 bushels	2,563.75	
Cow Peas	232 bushels	1,972.00	
Crotalaria	1,300 pounds	60.00	200.00
Sweet Potato Plants	178,000 (1000)	623.00	
Hay	115 tons		4,025.00
Vetch Seed	400 lbs.	64.00	
Winter Pea Seed	5,000 lbs.	487.50	
Lespedeza Seed	25,410 lbs.	4,634.40	1,200.00
Clovers, Seed	682 lbs.	904.00	
Pecans	2,200 lbs.		352.00
Miscellaneous Seeds	7,400 lbs.	1,910.00	
Nursery Stock	165 number	148.35	
Timber or Lumber	1,200,000 bd. feet		31,650.00
Pulpwood	1,164 units		9,312.00
Forest Seedlings	71,000 units (free)		
Farm Machinery & Equipment	51 units	25,380.20	
Benzine Hexachloride	105,250 lbs.	9,998.75	
Other Insecticides	33,450 lbs.	6,226.00	
Protein Supplement	13,400 lbs.	936.54	
Feeds	86,000 lbs.	5,375.00	
Lime	150 tons	915.00	
Fertilizers	60 tons	3,780.00	
Totals		\$ 101,402.49	\$ 387,380.76

POULTRY

Extension work with poultry production in Lee County in 1948 consisted of furnishing timely information and assistance through personal visits, news articles and circular letters.

Cooperative Poultry Sales: One cooperative sale of poultry was held with the following results:

Month	Number Shippers	Number pounds	Amount
March 15, 1948	36	6,350	\$2,540.00

Following is a summary of poultry marketing 1939 through 1948:

Year	Number Shippers	Pounds	Amount
1939	319	18,702	\$ 2,691.50
1940	134	12,132	1,460.53
1941	184	17,388	2,334.60
1942	65	4,810	805.49
1943	74	5,886	1,367.22
1944	117	10,547	2,437.89
1945	74	5,363	1,315.22
1946	35	5,417	1,138.39
1947	52	2,743	744.91
1948	36	6,350	2,540.00
Totals	1090	89,338	16,835.75

The county and home agents secured the cooperation of two local merchants in establishing a regular daily egg market for surplus eggs. This afforded an outlet for all surplus eggs at a period when farmers would not have been able to dispose of eggs otherwise.

Following is a summary of eggs marketed during 1948:

Year	No. Farmers Served	No. Dozen	Amount
1948	71	3,100	\$ 1,550.00

Many eggs produced in the county are sold to nearby hatcheries.

Securing Baby Chicks: 11 farmers were assisted in securing 4,000 day old chicks. Many others were advised as to place to order and otherwise assisted.

Blood Testing: 6 farmers have been assisted in obtaining the services of local hatcheries to blood test their flocks.

Culling Demonstrations: 7 culling demonstrations were given with the following results:

Name	Number birds Culled
Tracy Skinner	215
Mrs. V. S. Goodyear	175
Mrs. Genie E. Smith	247
J. B. King	65
Robert Latimer	35
C. P. Anderson	47
W. J. Hammond	150

Miscellaneous: 118 poultry producers called at the county agents' office for advice as to control of various diseases of poultry.

VISUAL INSTRUCTION

Visual instruction work during the year consisted of the use of charts and maps at extension meetings; showed educational motion pictures to 1,648 farm people at 32 meetings and took 27 different snap shots of demonstration projects.

A.A.A. ACTIVITIES

The work of the A.A.A. in the county has been so arranged that it requires much less of the county agents' time than formerly.

The office of the A.A.A. has moved out of the county agent's office but the agents are still called upon to give much advice in reference to the program. The agents gave to farmers timely information relative to the benefits they could earn through the A.A.A. Program.

PUBLICITY

Publicity work and disseminating educational work in connection with the extension program in Lee County in 1948 was done through circular letters, press articles, distribution of bulletins and farm visits.

Summary Publicity Work

Individual letters written.....	1,231
Circular letters.....	29
Copies mailed.....	25,413
Press articles.....	219
Bulletins distributed.....	3,148

Circular Letters: A total of 29 circular letters were prepared by the county agents of which 25,413 copies were mailed to farmers and 4-H club members. These letters contained timely and useful information on various farm subjects.

Individual Letters Written: A total of 1,231 individual letters were written to farmers and 4-H club members relative to the extension program.

Press Articles: A total of 219 news articles were published as regular items in the county and home agents' weekly news column and also as feature articles where they would best serve. 215 square inches of newspaper space was used by sponsors in advertising the 1948 Agricultural Program.

Bulletins distributed: A total of 3,148 bulletins were distributed to farmers and 4-H club members during the year.

National Publicity Given To Lee County's 5-Acre Corn Contest: The following is taken from an article in the magazine "Country Gentleman", dated March, 1948.

"SOUTHERN CORN YIELDS are on their way up through use of improved methods and fertilizer, according to results of experiments. For example, it was 113.9 bushels of corn per acre when handled 'Bryant's Way' as compared with 51.6 bushels of corn per acre when handled the usual way, on the C. W. Josey farm in Lee County, South Carolina.

"W. L. Bryant is the county agent in Lee County and the big yield was obtained in a demonstration acreage of corn he planted following methods worked out by the state experiment station. On the Josey farm, Bryant put in a 5-acre plot, with heavy fertilization, closer rows, thicker spacing, and less cultivation than usual, while the farmer put in an adjoining 5 acres, using normal methods. The 'Bryant's Way' corn was planted in 3-foot rows, the other in 5-foot rows; the plants were spaced 15 inches in the row, one stalk to the hill, in both cases. The test plot received $3\frac{1}{2}$ tons of manure per acre, and was plowed with a oneway disk tiller. Bryant cultivated his corn only about half as much as usual; it received one furrow with 16-inch sweep in the middles on May 6, two furrows to the row with turn plow point, close to the corn, on May 15, was sided with 16-inch sweep, two furrows to the row on May 23, and was laid by with a one-horse middle buster in middles on June 2.

"When the corn was picked, Josey found that the 'Bryant's Way' corn was the cheapest ever produced on his land. It was worth a total of \$1422.50 against \$687.50 for the other corn. The total cost of production was more for the higher yield, \$301.45 as compared to \$148.75, but the profit on the test plot was \$1121.05, while it was only \$538 on the regular plot."

On the following pages will be found specimens of circular letters issued during the year.

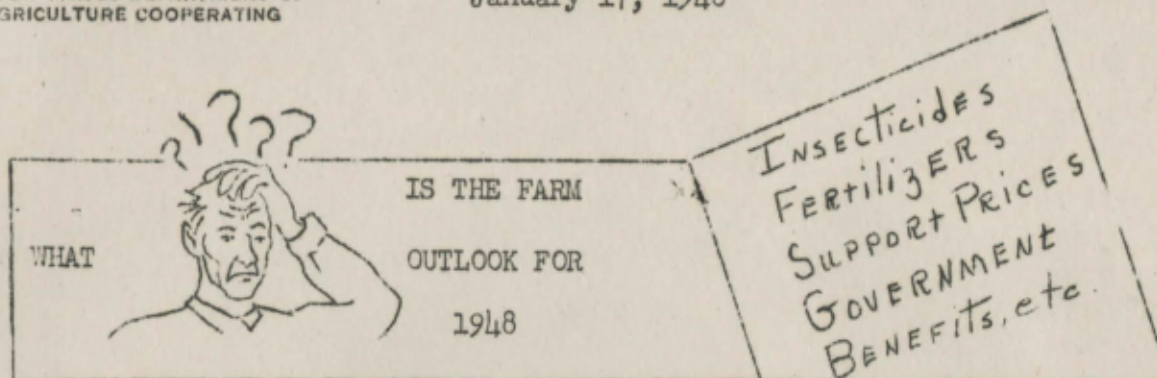
COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, S. C.
January 17, 1948

EXTENSION SERVICE



TO: ALL LEE COUNTY FARM FAMILIES

Are you confused in making your Farm Plans for 1948? Would you like to know more about the experimental data on Boll Weevil Control with the new insecticides? The general Farm Outlook on main farm crops and livestock? What you might expect from the AAA? Farm machinery and other interesting features pertaining to your Farm Program for 1948?

These and other questions will be answered at the County Outlook meeting to be held Thursday Morning, January 22 between 10 and 11 o'clock at the County Court House.

Experts from Clemson who attended the National Farm Outlook meeting a few weeks ago will be here to give you the most up to date information possible to give to farmers at this time. You can't afford to miss this meeting if you plan to farm economically this year.

Following the one (1) hour meeting, Method Demonstrations will be given on Application of New Insecticides, Livestock Sanitation, Tobacco Production and Disease Control. Come and bring your neighbor!

REMEMBER THE TIME - (1 hour) - 10:00 O'CLOCK, THURSDAY, JANUARY 22.

REMEMBER THE PLACE - LEE COUNTY COURT HOUSE, BISHOPVILLE, S. C.

REMEMBER TO BRING SOMEBODY WITH YOU.

Very truly yours,

W. L. Bryant
W. L. Bryant
County Agent

Mary Ida Warner
Mary Ida Warner
County Home Demonstration Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING


Bishopville, South Carolina
January 21, 1948


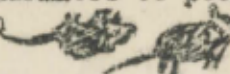
EXTENSION SERVICE






KILL RATS!

Dear Farmer:

A campaign to deal the  of Lee County a death blow is being planned for THURSDAY, FEBRUARY 19, 1948. This campaign is being sponsored by the County Extension Service, the County Health Department and other cooperating organizations in the county.

If you wish to get rid of the s on your farm, send to this office by FEBRUARY 9th your order for poison bait which will cost only \$1.00. You will receive a standard package of Red Squill bait which will be sufficient to poison the average farm. Red Squill is harmless to people and domestic animals, but has proven deadly effective on . Directions for use will be on each package.

You will be notified by mail which community point you can pick up your  poison.

s travel from farm to farm; encourage your neighbor to order bait, s cost people of Lee County an estimated \$200,000.00; this is in addition to the deadly diseases they spread.

Keep down diseases and keep healthy. Take advantage of the FREE Chest X-Ray. A schedule is enclosed.

Sincerely,

Mary Ida Warner
Mary Ida Warner
County Home Dem. Agent

Frieda Carter
Frieda Carter
Ass't. Home Dem. Agent

W. L. Bryant
W. L. Bryant
County Agent

V. F. Linder
V. F. Linder
Ass't. County Agent

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, STATE OF SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE OF SOUTH CAROLINA AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING EXTENSION SERV.
L. D. W. WATKINS, DIRECTOR, DISTRIBUTED IN FURTHERANCE OF THE ACTS OF CONGRESS OF MAY 8 AND JUNE 30, 1914



COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

April 16, 1948

TO ALL LEE COUNTY FARMERS:

After talking to Lee County farmers during the past few months, I have found that many who have never dusted cotton for insect control are planning to dust this year and are seeking information on the kind of poison and dusters to use. I hope this material will be of some benefit to you.

Be sure to buy your dust and duster now. Steel and transportation may be short within the next few months. A two-row mule drawn duster will cover from 20 to 30 acres adequately. Larger acreages can best be covered by tractors or airplane dusters.

The Pee Dee Experiment Station at Florence reports that the boll weevil outlook for 1948 is just about as bad as it was in 1947. If weather conditions are normal during May, June and July, the boll weevil will cause serious damage.

Do not chop or thin until after the seedlings are about 3 inches high. When chopping, have 2 or 3 stalks per hill every hoe width. Do not destroy your stand of cotton by chopping out too much or by carelessly hoeing or plowing. Cultivate shallow and only often enough to control weeds.

If we can help you let us know.

Yours very truly,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

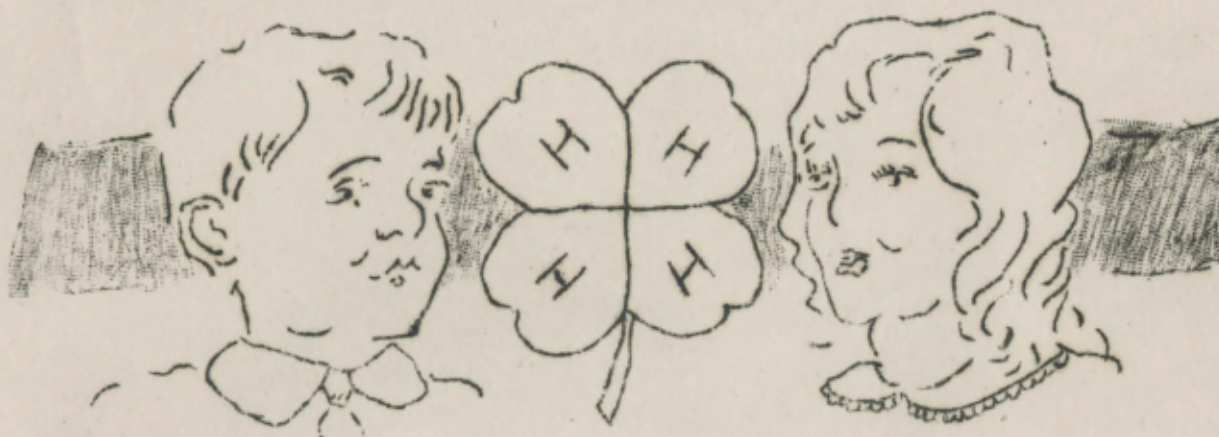
V. F. Linder
Asst. County Agt.

WLB/M

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

JOHNSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE



Bishopville, S.C.
May 17, 1948

Dear 4-H Member:

The County 4-H Council, made up of all 4-H Club members in the county will hold its annual meeting Saturday, May 22nd at 9:30 O'Clock at the Lyric Theatre.

Every 4-H boy and girl in the county is urged to attend. Parents and friends are also invited to come.

There will be a short program after which the certificates and diplomas will be delivered. Council officers will be elected.

There will also be a dress revue.

Everyone come and enjoy this get-together. Come to the front of the Court House at 9:00 O'Clock and we will all march to the Lyric Theatre.

Sincerely,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

V. F. Linder
Asst. County Agt.

Mary Ida Warner

Mary Ida Warner
Co. Home Dem. Agent.

Frieda Carter

Frieda Carter
Asst. Co. Home Dem. Agt.

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

Bishopville, S.C.

May 6, 1948

LEWIS AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

TO AGRICULTURAL PLANNING COMMITTEE, AGRICULTURAL AGENCIES,

INSECTICIDE AND FARM MACHINERY DEALERS OF LEE COUNTY:

Please attend the Boll Weevil Control meeting on Tuesday morning, May 11th, at 10:30 O'Clock in the court room of the Lee County Court House, and bring with you any interested farmer who may be planning to dust cotton this year.

We hope that every member of the County Agricultural Committee will be able to attend along with all agricultural agencies of the county and dealers of insecticides and farm machinery,

The dealers of insecticides and dusters, we presume, will have up to date information on availability of same.

It is to your advantage to attend this meeting so that we can get our heads together and formulate plans that will really benefit the county during the dusting season.

Your help is needed to put this program across. Hope to see you on Tuesday morning at 10:30 O'Clock.

Yours very truly,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

V. F. Linder
Asst. County Agent

WLB/M

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS, STATE OF SOUTH CAROLINA, CLEMSON AGRICULTURAL COLLEGE OF SOUTH CAROLINA AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING EXTENSION SERVICE, D. W. WATKINS, DIRECTOR, DISTRIBUTED IN FURTHERANCE OF THE ACTS OF CONGRESS OF MAY 8 AND JUNE 30, 1914



COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

Bishopville, S.C.

June 7, 1948

TO ALL LEE COUNTY FARMERS:

The attention of all concerned is called to the fact that application for cotton seed certification must be filed on or before July 1st, 1948. Application blanks may be secured from our office or from the South Carolina Crop Improvement Association at Clemson. Those farmers who planted seed directly from the seedler or blue tag certified seed are eligible to have their crop certified, provided their fields meet the required standards.

The Pee Dee Experiment Station at Florence reports that the general boll beetle outlook (emergence) is more than average but somewhat lower than 1947.

SUGGESTED COTTON INSECT CONTROL SCHEDULES

SCHEDULE NO. 1 - BHC - DDT				
Appl. No.	POISON	TIME OF APPLICATION	lbs. per acre	REMARKS
1	3% G BHC-5% DDT-40% sulfur	When 10% squares punctured	6-8	Thorough coverage necessary-Drift will not control insects
2	Same	5 days later	8-10	Check infestation after this dusting to see if 3rd. appl. necessary
3	Same	5 days after 2nd. appl.	8-10	APPLY ONLY IF NECESSARY
4	20% chlorinated camphene with 40% sulfur	During migration	10-12	The chief spread comes at this time when weevils make long flights
5	Same	4 days later	10-12	Check infestation after this dusting to see if next appl. necessary
6	Same	4 days after above application	12-14	APPLY ONLY IF NECESSARY

-2-

SCHEDULE NO. 11 - CHLORINATED CAMPHENE

Appl. No.	POISON	TIME OF APPLICATION	lbs. per acre	REMARKS
1	20% chlorinated camphene with 40% sulfur	When 10% squares punctured	6-8	Thorough coverage necessary-Drift will not control insects
2	Same	5 days later	8-10	Check infestation after this dusting to see if 3rd. appl. necessary
3	Same	5 days after 2nd. appl.	8-10	APPLY ONLY IF NECESSARY
4	Same	During migration	10-12	The chief spread comes at this time when weevils make long flights
5	Same	4 days later	10-12	Check infestation after this dusting to see if next appl. necessary
6	Same	4 days after above application	12-14	APPLY ONLY IF NECESSARY

WARNINGS

1. BHC is not recommended where any root crop such as potatoes, turnips, peanuts, etc., are to follow within two years. 2. Do not apply dust without mechanical duster. 3. Use dust respirator. 4. Do not use more poison than recommended. 5. Do not allow dust to drift onto vegetables, tobacco or feed for livestock.

The new cotton blight known as *Ascochyta* Blight, Sarashin and root lice, which are now scattered fairly well over the county, are more severe during cool up weather, and when warm weather and good growing conditions return, the disease need not be feared. However, the affected cotton should be cultivated in practical to allow the soil to warm up and dry out more rapidly.

V. F. Linder
V. F. Linder
Assistant County Agent

W. L. Bryant
W. L. Bryant
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, South Carolina
August 23, 1948

EXTENSION SERVICE

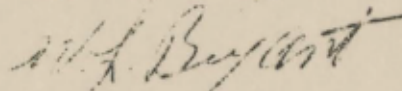
TO ALL LEE COUNTY FARMERS

We have tried to mark out a year-round grazing calendar that will fit your farm. One or more of these recommendations will do well on any farm in Lee County. Keep this information for further reference and come to see us if you would like to have further information on pastures.

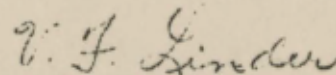
Did you know that you can get more for your cotton through the Government loan than you can on the market? And that all gins in the county can give you free marketing and sampling service just FOR THE ASKING?

Why gamble with your cotton? Use your classification service and know what you are doing!

Very truly yours,



W. L. Bryant
County Agent



V. F. Linder
Assistant County Agent

WLB:VFL:lh
ENC: 4

Bishopville, South Carolina
August 23, 1948

SUGGESTED LEE COUNTY GRAZING CALENDAR

We think that a 12 month grazing program is essential in any successful livestock program. Therefore, we are endeavoring to make recommendations that are practical and usable on a small farm where one cow is kept or on a large farm where hundreds of cattle are to be fed. These recommendations to you have the approval of Clemson College and agricultural workers of Lee County. You can get additional help and information by contacting Agricultural Teachers, County Agents, Soil Conservation Technicians, and Veterans' Teachers. Any of the above mentioned will be in position to give you what we consider the best in grazing today and when something better comes, you will be advised.

In making these recommendations, we have only included crops and combinations of crops that will make economical growth in this section and also produce seed for future plantings. We are of the opinion that if grazing crops do the most good to the largest number of farmers, the large majority of the seed must be grown on the farm.

We have marked out several crop combinations, any of which should be satisfactory, and you should be the judge as to which will fit in your farm program.

In discussing these various crops and practices, considerable amount of time and thought has been spent to give you practically year round grazing recommendations. Study these suggestions and fit them to the best advantage on your farm.

PASTURE FERTILIZATION:

Ample fertilization is basic to good pasture program. Spend your first money for fertilizer, in the form of lime, basic slag, superphosphate and complete fertilizer, and be sure that the fertilizer is there before money is spent for high priced seed. We realize some may think our fertilizer recommendation is too high for pastures, but fertility is essential in growing pasture grasses and legumes as much so as your field crops.

PERMANENT PASTURES:

Permanent pastures are basic in any livestock program and the rest of the grazing program should fit in to supplement the permanent pasture when it cannot afford ample succulent grasses and legumes. Pastures should be fertilized and limed and treated as one of the most important crops on the farm. The permanent pastures should include a mixture of at least 3 of the following: Bermuda Grass, Dallas Grass, Lespedeza, White Dutch Clover, Ladino Clover and Hop Clover. Other desirable grasses and legumes will come in where the pasture land is properly fertilized and limed.

OLD PASTURES:

Many old established pastures have a good sod of bermuda and you want to add some of the other plants. We suggest that you disk the sod shallow in the early fall, thoroughly pulverizing 2 inches of the surface soil, then fertilize and seed according to pasture seeding recommendations.

NEW PASTURES:

If a new pasture is to be established, prepare a good seed bed, fertilize and lime. Firm the seed bed by using a smoothing harrow and cultipacker or smoothing harrow and drag. Seed and fertilize according to pasture recommendations.

FERTILIZER AND SEEDING:

Unless you are willing to put down plenty of fertilizer and enough seed to completely cover the land surface with plants, don't plant supplemental grazing. Fertilizer is essential for maximum growth, and a large number of plants per acre is essential to keep cattle from bogging down in the soil.

SEED BED PREPARATION:

Too little attention has been given to seed bed preparation in the past. The land should be disked several weeks before seeding date and kept fallowed, allowing the land to become free from weeds and making the moisture condition favorable for germination. Be sure to pack land after seeding. Spend more time and effort in making good seed beds and less money for high priced seed.

INNOCULATION:

Be sure to inoculate all clover seed planted using 3 to 5 times the amount recommended by the manufacturer. Be sure to sow the seed late in the afternoon or during a damp cloudy day. If the seed can be mixed with manure better results are expected.

SMALL GRAIN:

There are plenty of oats and wheat and some barley on most farms in the county. Therefore, there is no excuse for the cow not having green winter grazing. Oats and wheat or oats and barley or either alone makes an excellent grazing patch. Better still is a mixture of grain and crimson clover where the soil has been well limed.

RYE GRASS:

Rye grass alone or in a mixture of crimson clover is one of the best winter and spring grazing crops. However, rye grass is a little slow to get started in the fall, but a field in rye grass and a field in small grain make a good combination. Of course, it is better to have clover in all the grazing mixtures. Rye grass is also a good producer of seed if livestock are taken off by April 1st.

CRIMSON CLOVER:

Crimson clover should be seeded with rye grass or small grain. (Autauga Strain is best.)

LADINO CLOVER:

One of the best for grazing alone or in a mixture of grasses. It does best in bottom lands or good heavy fertile soils that have been thoroughly limed. This clover should fit about 90% of the farms in Lee County. It is a perennial plant and once established, your seeding troubles are over.

SUBTERRANEAN CLOVER:

Sub clover has shown promising results in some sections of the state on upland soil.

If you would like to try some on poorer well drained soils, plant a mixture of 7 lbs. clover and 9 lbs. fescue. You may like it.

FESCUE:

This perennial grass hasn't been introduced in this section very long, but will probably mean a lot toward cattle raising because of its long grazing period (10-11 months), ability to survive in most weather conditions, grow on most all soil types, vigorous growth and high seed yielding ability. Don't expect too much grazing the first year. Plant Kentucky 31 or Alta.

LESPEDeza:

An annual legume that has meant a lot to this county because of its qualities as a soil builder, seed crop, hay crop and grazing crop. You can find it on most farms in the county now.

PEARL MILLET:

An excellent grazing crop for summer use and should be included in every grazing program where ample permanent pastures are not available.

SWEET SUDAN:

One of the best summer grazing crops if treated right.

KUDZU:

Once established is considered an excellent grazing crop and soil conservation crop.

SERICEA:

An excellent soil builder and seed crop. However, for hay and grazing, it is considered as an emergency crop.

RAIL GRASS:

This perennial grass promises to be a good grazing crop. It does well on lowlands and fairly good on upland pastures. The seeding rate is 10 lbs. per acre and land preparation and fertilizer rates are the same as the permanent pasture.

W. L. Bryant
By: W. L. Bryant
County Agent
V. F. Linder
V. F. Linder
Ass't. County Agent

tures should be seeded
so cattle can go from
the permanent to the grain
grazing or to the mixture of
grain and crimson clover.

ss alone or with mixtures
an excellent grazing crop
or produces a large seed
Be sure that all clover
e inoculated.

(Alta or Ky. 31) is new in
ction and is very promising
Can be grazed 10 mos. per yr.
d large seed crop. Mixtures
e & clovers should make
mbination.

lovers will do well on
as grazing crop alone
fit well in the permanent pasture.
no farm can afford to be without.
y crop, soilbuilder, and grazes
r in any mixture.

Cultivate first 2 yrs.

esirable grasses and legumes
aturally come in if pasture
re properly

LEE COUNTY GRAZING CALENDAR

Grazing Seasons:		Seeding Dates	Seeding Rates Per Acre:	Expected Grazing Dates	Fertilization	Remarks
			Oats 5 to 7 bu.			These
		Oats and Crimson Clover: Aug. 20-Oct. 1	Crimson Clover 20 lbs.	November 1	600-1000 lbs. com-	earl
		Barley and Crimson	Barley 5 to 7 bu.		plete fertilizer and	
		Clover	Crimson Clover 20 lbs	to	topdress 300-500 lbs.	
		Oats, Barley or wheat:	Oats 4 bu. Barley 4 bu.	.....	nitrate soda equiva-	
Fall,		and Crimson Clover : Aug. 20 to Oct. 1	Crimson Clover 20 lbs., wheat 1½ bu.		lent with split	
Winter,		Oats or barley alone:	Alone 5-7-bu.	;	applications	
and		or mixture of oats & : Aug. 20 to Oct. 1	Mixture 2-3 bu. barley and:		1 one ton line every	
Early		barley or wheat	2-3 bu. oats or 1½ bu. wheat:	April 1	3 years and 500 lbs.	
Spring		Rye Grass and	40 lbs. rye grass	November 15	superphosphate	Rye
		Crimson Clover : Aug. 20 to Oct. 1	20 lbs. crimson clover		or 1000 lbs. basic	gives
		Rye Grass and Sub.	40 lbs. rye grass	to	slag every 3 yrs.	and
		Clover on upland : Sept. 1 to Oct. 1	10 lbs. sub. clover			crop.
		Rye grass alone : Aug. 1, to Oct. 1	40 to 50 lbs.	May 1	all available	seed
		Fescue alone			manure.	Fescue
		(Alta or Kentucky 31:	12 to 15 lbs.			this
Fall		Fescue and Sub Clover	8-10 lbs. fescue	September 1		grass
Winter		(upland) : September	6-8- lbs. sub clover			Proda
Spring		Fescue and Ladino	10 lbs. fescue			of fo
and		Clover	3 lbs. ladino	to		good
Summer:						These
		Ladino clover(bottom)	4-6-lbs.			any f
		Sub Clover(upland)	10-15 lbs.	July 1		or vi
					1 T. Line every 3 years:	erc
		Common, Kobe or		June 15	500 # superphosphate	Good
		Korean Lespedeza : Feb. and March	40-60 lbs.	to	or 1000# basic slag	alone
				October 15	every 3 yrs; 4-600#	
Summer					3-12-12	
		Pearl Millet	40 lbs.	6 wks. after plant	600-1000# Complete	
		Sweet Sudan : April 1 to June 1	40 lbs.	ing until Aug. 15:	fertilizer	
		Kudzu		after 3-4 years.	400# 3-12-12 and	
		: Dec. 1 to Apr. 1	500 crowns	June 15-Dec. 15	400-800# o-12-12	
		Soricea		annually		
		: Mar 20 to May 15	40 lbs scarified	Apr. 1 to Nov. 1		
Perma-		Bermuda	Sprig		600-1000# comp. fert.	Many
nent		Dallas			1 t. line every 3 yrs.	will
Pasture		Lespedeza : Feb. and March	10 lbs.	March 1 to Dec. 1	1000# basic slag	land
		White Dutch	20 lbs.			
			3 lbs.			

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COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

ELIASON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, S. C.
August 19, 1948

EXTENSION SERVICE

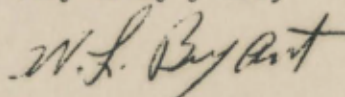
Mr.

Dear

If you remember in your Agreement with the U. S. Department of Agriculture in feeding irish potatoes to livestock, you were to keep a complete record of amount of hogs fed along with other feed, and as soon as the potatoes were fed up, the feeding demonstration records were to be turned in to me. So far I have not received the feeding records. I have the number of bags of potatoes allotted to you, so if you let some of your neighbors have some potatoes to feed on, you are responsible for getting those records in to my office at your earliest convenience.

Please don't wait any longer to turn the records in if you have finished feeding the potatoes.

Very truly yours,



W. L. Bryant
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

LEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, South Carolina
August 27, 1948

EXTENSION SERVICE

Dear Farmer:

A group of Lee County cotton farmers are going on a farm tour of the Coker Pedigreed Seed Farms Thursday, September 2, 1948 to observe the work being done on new cotton varieties and diseases related to wilt, etc.

I attended a similar tour a few days ago and I think it will be worth your time to see these demonstrations.

We will leave my office at 9:00 o'clock Thursday morning, September 2, 1948. Come and bring as many farmers with you as you like.

We should be back in Bishopville by 12:00 o'clock noon.

Very truly yours,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

V. F. Linder
Assistant County Agent

WLB:VFL/lh

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
November 6, 1948

TO: ALL MEMBERS, LEE COUNTY AGRICULTURAL PLANNING COMMITTEE

WEDNESDAY, NOVEMBER 10, 1948 - 10:00 A. M., at the office of the County Agent,
is the time of year for the annual meeting of the Lee County Agricultural
Planning Committee to meet.

It is our desire to get the farm leaders in the county together with the different agricultural agencies once a year and have a discussion of farm problems of last year, and how we can best meet these and other problems in the future.

You are an important factor in the county toward developing a better agriculture. We need you to help us plan our work for next year. Come full of ideas and ready to give them to us as you see them.

Our district agents will be with us to help motivate our activities for another year and set up working sub-committees to sponsor certain phases of the Extension Program for the coming year.

Will see you then.

Very truly yours,

V. F. Linder

V. F. Linder
Ass't. County Agent

W. L. Bryant

W. L. Bryant
County Agent

Mary Robert Spencer

Mary Robert Spencer
Home Demonstration Agent

WLB:lh

On the following pages will be found specimen
copies of news articles issued during the year.

FARM AND HOME NEWS COLUMN
BY
W. L. BRYANT, COUNTY AGENT

FIRST COUNTY-WIDE RAT CAMPAIGN HELD

Lee County conducted it's first County-Wide Rat Campaign February 19th. More than 1200 pounds of bait was mixed and distributed to community centers where operators picked it up and applied it on their premises. It is felt that this is the beginning of a continuous campaign to keep the costly and dangerous rat under control.

This campaign was made possible by your County Extension personnel, your County Health Department, the Bishopville Vocational Agricultural Class, who so generously gave their time and energies in helping to package the poison, those individuals who helped in the distribution and the people who used the poison.

As a follow-up to determine the effects of this Campaign, it would be desirable if the users of this poison bait would let the County Agent or the County Health Officer know the results on your individual farm, home or place of business.

* * * * *

FREEZING COUNTRY SAUSAGE

Country sausage is one of the most popular meats frozen in locker plants and in home freezers. Due to its susceptibility to rancidity, sausage is possibly the most difficult of the common meats to hold in freezing storage in good conditions for more than a few months. Experiments conducted at the Georgia Experiment Station for the past 3 years show that, with care, it may be held frozen for at least a year without noticeable deterioration. The following procedure is recommended:

1. CHILL THE HOG CARCASS TO 38F. immediately after killing to arrest bacteria that cause off-flavors and putrefaction. If the weather is cold this may be done at home, but the locker plant is preferable.
2. USE TRIMMING OF LEAN MEAT FOR SAUSAGE. As it is the fat in the sausage that becomes rancid, not more than 25% fat should be included. Other things being equal the storage life of frozen sausage is in proportion to the amount of lean it contains.
3. GRIND THE MEAT COARSELY, ADD SEASONING, THEN REGRIND. SEASON AS FOLLOWS:

Ground meat	100 lbs.	Red pepper	$\frac{1}{4}$ lb.
Salt	$1\frac{1}{2}$ lbs.	Black pepper	$\frac{1}{4}$ lb.
Oat flour	1 lb.	Ground sage	$\frac{1}{4}$ lb.

Completely seasoned sausage is preferred to the unseasoned after several months storage. Sage and black pepper retard rancidity, salt stimulates it and the red pepper is neutral and oat flour contains an antioxidant. Since sage gradually loses flavor during storage, it is recommended that sausage intended for freezing and storage, for more than 4 months contain more sage than if it is to be used immediately.

4. STUFF AND SMOKE SAUSAGE FOR LONG STORAGE. Stuffing and smoking sausage about doubles the time it remains fresh. Otherwise, sausage should be wrapped "skin tight" in cellophane, pliofilm, aluminum foil or other suitable material. Sausage loosely wrapped does not keep well, and storage life is longer when stored below 0 F. than above that temperature.

* * * * *

THE NEW COTTON BLIGHT

Complaints of cotton plants dying are being reported from all parts of the county, states W. L. Bryant, County Agent.

Numerous examinations have revealed Aschochyta Blight Fungi (new blight), Soreshin and root lice.

The best thing you can do to help cotton affected this way is to cultivate thoroughly to allow the soil to warm up and dry out more rapidly.

Aschochyta Blight is found mostly up in the Turkey Creek and Ashland communities. It works on the above-ground portions of the plant, causes a leaf spot, stem canker and scalded appearance, kills fairly large plants, thereby destroying a stand.

Plants affected by this disease die from the top down. It usually is more serious where cotton follows cotton. It is more severe during cold, damp weather, and when warm weather and good growing conditions return, the disease need not be feared.

The Soreshin is usually blamed, too, on cold and damp weather, but the fungus attacks the roots of the plants as evidence by cankers and shriveled stems just below soil line. Many of the affected plants recover with good growing weather.

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LEE COUNTY 4-H TO HAVE SECOND FAT BARROW SHOW THIS FALL

Several 4-H Club boys in Lee County are preparing to feed out barrows and gilts for the second county fat barrow show this fall.

Plans are now to hold this show either the last week in September or the first week in October when usually the peak of the fall hog prices is reached.

For a boy to enter this show and contest he should select a minimum of three or as many more as he desires of either February or March pigs which are thrifty and have a chance of reaching the top limit of 180-240 lbs. class by the time of show.

Records of the two previous shows proved that under conditions of proper feed and management a good profit per animal was obtained. Proper feeding and management of course means the feeding of a well balanced ration with the major part of grain produced at home. Pasturage should be provided to cut down on cost. Where good feed practices were followed a profit of \$10.00 or more per animal was made.

As a record for the contestant, these pigs should be weighed at starting which should be on or before the middle of June, and a record kept of ration feed and length of time on pasture. Those wishing to enter this contest may do so by contacting W. L. Bryant, County Agent, or his assistant, V. F. Linder.

SAVE FOOD BY FREEZING

Three or four visits to the Freezer Locker Plant last week convinced me that the town folks as well as the people living in the country are really taking advantage of the Freezer Locker Plant by putting in good, tender vegetables for future use. And Folks, for good, tasty food at a low cost, you can't beat the freezing method of preserving your food.

Looking through the plant, I saw by the bushels, prepared ready for freezing: butter beans, snap beans, green peas, okra, mutton corn (cut and on the cob), squash, and other vegetables, and lots of really nice beef, pork, lamb and poultry of all kinds. Now Folks, when you get things like the above mentioned in your locker, you have good cheap food. Don't forget to take advantage of the incoming peach crop. Peaches are really good frozen any time during the year, as well as other fruits and berries.

See or contact your Agriculture Farm and Home Agents for better methods of preparation.

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SALT AND MINERALS NEEDED BY LIVESTOCK

Livestock need larger amounts of salt during the summer months and while on pasture than at other times, according to W. L. Bryant, County Agent. He advises that loose salt and minerals should be made available to cattle and hogs at all times. These materials should be fed in a covered or sheltered box in order to keep out rain water. Mr. Bryant points out that where the only salt supply for cattle is in block form it is doubtful if they get enough to meet minimum requirements. He cautions farmers to guard against making a block of salt out in the hot sun the only salt supply for a herd of cattle. He says hogs, like cattle, need a plentiful supply of salt if they are to make the most economical gains. Salt and minerals fed in loose form from a mineral box will save many pounds of expensive grain feed.

He suggests that suitable mineral mixtures for both cattle and hogs can be made by mixing equal parts by weight of common salt, steamed bone meal, and ground limestone. Another suitable mixture can be made by mixing two parts by weight of steamed bone meal, two parts oyster-shell flour, and one part common salt. Either of these mixtures self-fed along with loose salt in a mineral box will supply either cattle or hogs with essential minerals for maximum health, he says.

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FREE COTTON CLASSIFICATION TO FARMERS

A meeting was held in the County Agent's office Wednesday morning for the purpose of reorganizing the Lee County One Variety Cotton Improvement Association. This association is not compulsory to anybody. It's purpose is to give the farmer free classification of his cotton so that he will know the staple and grade of cotton when he wants to sell. He can see also if he is getting a good job done at the gin.

This is additional service your county ginner can give you in cooperation with the United States Department of Agriculture.

Watch this newspaper for the list of ginner in the county who will be qualified to give you this free service.

If you want to know more about the classification program, come by the County Agent's office and talk it over with him.

ARMY WORM WARNING AND CONTROL

Farmers of Lee County are advised to be watchful for any signs of an army worm attack. They are reported to have caused damage in one or two instances in the county. Since these insects do such severe damage in short order, they should be controlled as soon as possible after being detected.

Toxophane (Chloronated Camphene) or 5 to 10% DDT have been used successfully in other counties. These insecticides should be applied as a dust at a rate of 15 to 30 lbs. per acre depending on the growth of the crop. BHC has been mentioned as a possible control.

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ANNUAL GRAZING

1. Prepare Fall and Winter Grazing Now
 - a. A system of annually-seeded grazing crops to extend grazing season and supplement the permanent pasture program is highly desirable.
 - b. Late summer and early fall seeded crops extend grazing period through fall, winter and spring.
 - c. While fast-growing grazing is desirable for beef cattle, it is essential for dairy cattle because of the stimulating effect to milk production.
 1. Beef cattle can utilize mature grazing and grasses killed by frost better than dairy cattle
2. Selection of Site
 - a. Annual grazing crops should be established near barn or permanent pasture.
 - b. Dairy farmer should set aside $\frac{1}{2}$ acre per cow - and fence this area into two or three fields.
 - c. Beef cattle farmers should provide 1 acre per cow fenced into several fields
 - d. Should be located on fertile soil
3. Land Preparation
 - a. Preparation of firm seedbed essential
 - b. Land should be prepared during first part of August for seeding during the last part of August
 - c. Amount of plowing and disking will depend upon amount of crop or crop residue to be worked into soil
 - d. By using drag harrow after each rain - moisture is conserved - germinating weeds are destroyed and soil is worked into firm seed bed.
 1. Even when planted on firm seedbed it is necessary to use cultipacker or roller to firm ground after seeding

4. Fertilization

- a. Liming materials should be used to maintain correct soil reaction
- b. For best results use
 - 1. 600-8 pounds per acre of complete fertilizer at planting time
 - 2. Top-dress with 200-400 pounds per acre of nitrate of soda in fall and with same amount in early spring

5. Seeding

- a. Seeding per acre
 - 1. 3 bushels oats
 - 2. 2 bushels barley
 - 3. 30 pounds rye grass
 - 4. 20 pounds Crimson clover
- b. For lighter and sandy soils
 - 1. 3 bushels oats
 - 2. 2 bushels rye
 - 3. 30 pounds rye grass
 - 4. 20 pounds common vetch
- c. Seed above mixtures in late August, but not later than September 15.
- d. Double seeding and cross drilling with grain drill - followed with cultipacker is recommended.

AMMONIUM NITRATE AVAILABLE FOR WINTER GRAZING

Ammonium nitrate material available to all farmers in Lee County for demonstration with pastures, forage, winter cover and grazing crops to be applied this fall.

This material will not be counted against your allotment of nitrogen for next year, and can be obtained through Lee County Agricultural Executive Planning Committee which consists of W. W. Player, Chairman, James R. Bradham, Vice-Chairman, Ed. B. Baskin, Treasurer, R. M. Prince and W. H. Shiver.

It is urgent that you get your order in at once so that it can be ordered for immediate use. (Cash with order.)

LEE COUNTY 4-H DAIRY JUDGING TEAM WINS 6TH PLACE

Lee County and the State of South Carolina should be proud of the Lee County 4-H Dairy Judging Team which consists of Dick Heriot, Robert Prince, Laverne McCaskill, Edward McDowell and V. F. Linder, Ass't. County Agent and Coach. This team won sixth place in the National Dairy Judging Contest held in Columbus, Ohio on October 12. Every State had an opportunity of entry - one 4-H club and one FFA team in the contest. Kentucky's 4-H club team took first honors, and I, as County Agent, am especially proud of our team winning sixth place as a team, and Dick Heriot winning 8th place as an individual scorer.

SOUTH CAROLINA 4-H ACHIEVEMENT BANQUET PETES FOUR LEE COUNTY BOYS

At the annual 4-H Club Banquet held at the Jefferson Hotel in Columbia on the evening of October 22, the following 4-H Club boys of Lee County were recognized: Robert Prince, Edward McDowell, A. L. McCaskill, Jr. and Richard Heriot. All of these boys were recognized for winning the State Dairy Cattle Judging Contest and going on to win Sixth place in the United States. In addition, Edward McDowell was recognized for winning the Sweepstakes in the Cron Exhibits at the State Fair and exhibiting the Grand Champion Poland China Sow.

A. L. McCaskill, Jr. was recognized for being a district winner in the State Dairy Production Contest, he also exhibited the Grand Champion Guernsey Bull at the State Fair and 4th place Guernsey Cow in 4-H competition.

Edward, in addition to his Grand Champion Poland China Sow, had ten first placings, two second placings, and two third placings in 4-H and open competition at the State Fair.

Robert Prince was announced as the Pee Dee 4-H achievement winner and selected for Life Membership in the State Fair Association. He had previously been a State winner and was awarded the \$400.00 Esso Scholarship to attend Clemson.

These four boys of Lee County have gone far in their undertakings and represent a good cross section of Rural Youth in Lee County and in the State of South Carolina. All of these boys are leaders in their own right.
